APPLIED ARTS & ADMINISTRATION COMPLEX

CONTRA COSTA COLLEGE

CONTRA COSTA COMMUNITY COLLEGE DISTRICT
SAN PABLO, CALIFORNIA

AS BUILT

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42256
AUG 27 '79
APPLICATION NO.
Per J.J. Meehan Mas
PROVISIONAL STRUCTURAL ENGINEER

FILE COPY ONLY
AUG 24 1979
STATE OF CALIFORNIA
NORTHERN REGION

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
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P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

COVER SHEET

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO, CALIFORNIA

SHEET
A0.1
OF
DATE
8-24-79
JOB No.
770-71 A

ARCHITECTURAL ABBREVIATIONS

ACOUS.	ACOUSTICAL
A.C.	ASPHALT CONC. PAVING
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
A.DR.	ACCESS DOOR
AGGR.	AGGREGATE
ALT.	ALTERNATE
AL.	ALUMINUM
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
ASB.	ASBESTOS
ASPH.	ASPHALT
AUTO.	AUTOMATIC
A.W.	AREA WAY
B.B.	BULLETIN BOARD
BD.	BOARD
BITUM.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
BOT.	BOTTOM
BR.	BRICK
BRKT.	BRACKET
BSMT.	BASEMENT
B.U.W.P.	BUILT-UP WATERPROOFING
C.T.	CERAMIC TILE
CAB.	CABINET
C.B.	CATCH BASIN
C.BD.	CHALKBOARD
C.C.	CENTER TO CENTER
CEM.	CEMENT
C.I.	CAST IRON
CLG.	CEILING
CLKG.	CAULKING
CLO.	CLOSET
CLR.	CLEAR
CNTR.	COUNTER
C.O.	CONC. OPENING
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDITION
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CORR.	CORRIDOR
CORRUG.	CORRUGATED
C.R.	CHAIR RAIL
CTR.	CENTER
CTSK.	COUNTERSUNK
CUST.	CUSTODIAN
D.A.	DOUBLE ACTING
DBL.	DOUBLE
DEPT.	DEPARTMENT
DET.	DETAIL
D.F.	DRINKING FOUNTAIN
D.FIR.	DOUGLAS FIR
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DK.	DARK
DN.	DOWN
D.O.	DOWN OPENING
DP.	DAMP PROOFING
DR.	DOOR
DRESS.	DRESSING (ROOM)
D.S.	DOWN SPOUT
D.S.P.	DRY STAND PIPE
D.T.	DRAIN TILE
DWG.	DRAWING
DWR.	DRAWER
E.	EAST
EA.	EACH
E.C.	ENAMELED CEMENT ASBESTOS BD.
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMERG.	EMERGENCY
ENCL.	ENCLOSURE
ENTR.	ENTRANCE
E.P.	ELECTRICAL PANELBOARD
EQ.	EQUAL
EQPT.	EQUIPMENT
EXIST. OR (E)	EXISTING
EXP.	EXPANSION
EXPO.	EXPOSED
EXT.	EXTERIOR
F.A.	FIRE ALARM
F.B.	FLAT BAR
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.M.S.	FLAT HEAD MACHINE SCREW
FIN.	FINISH
FL.	FLOOR
FLASH.	FLASHING
FLUOR.	FLUORESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUDS
F.O.W.	FACE OF WALL
FPRF.	FIREPROOF
FR.	FRAME
F.S.	FULL SIZE
FT.	FOOT OR FEET
FTG.	FOOTING
FURR.	FURRING
FUT.	FUTURE
GA.	GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
GEN.	GENERAL
G.I.	GALVANIZED IRON
GL.	GLASS
GND.	GROUND
GP.	GROUP
GR.	GRADE
G.R.	GUARD RAIL
G.W.B.	GYPSUM WALL BOARD
GYP.	GYPSUM
H.B.	HOSE BIBB
H.C.	HOLLOW CORE
HD.	HEAD
HDWD.	HARDWOOD
HDWE.	HARDWARE
HGT.	HEIGHT
H.M.	HOLLOW METAL
HNDR.	HANDRAIL
HORZ.	HORIZONTAL
HR.	HOUR
HT. ABS. GL.	HEAT ABSORBING GLASS

I.D.	INSIDE DIAMETER
INCIN.	INCINERATOR
INFO.	INFORMATION
INSUL.	INSULATION
INT.	INTERIOR
JAN.	JANITOR
JT.	JOINT
K.C.	KEENE'S CEMENT
KIT.	KITCHEN
K.O.	KNOCK OUT
K.P.	KICK PLATE
K.S.	KNEE SPACE
LAB.	LABORATORY
LAM.	LAMINATE
LAV.	LAVATORY
LB.	POUND
LG.	LONG
L. GL.	LEAD GLASS
L.H.	LEFT HAND
LINO.	LINOLEUM
LKR.	LOCKER
L.L.	LEAD LINED
L.P.	LOW POINT OR LIGHTPROOF
LT.	LIGHT
L.W.C.	LIGHTWEIGHT CONCRETE
LIBR.	LIBRARY
MACH.	MACHINE
MAG.	MAGNETIC
MAT.	MATERIAL
MAX.	MAXIMUM
M.C.	MEDICINE CABINET
MECH.	MECHANICAL
MEMB.	MEMBRANE
MET.	METAL
MFR.	MANUFACTURER
MH.	MANHOLE
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
M.L.&P.	METAL LATH & PLASTER
M.O.	MASONRY OPENING
MTD.	MOUNTED
MUL.	MULLION
M.V.	MASONRY VENEER
M & S	MIRROR & SHELF
(N)	NEW
N.	NORTH
NAT.	NATURAL
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.A.	OVERALL
OBS.	OBSCURE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE/OVERFLOW
OFF.	OFFICE
OPER.	OPERABLE
OPNG.	OPENING
OPP.	OPPOSITE
OVHD.	OVERHEAD
P.A.	PLANTING AREA
PAV.	PAVING
P.B.	PANIC BAR
P. BD.	PEG BOARD
PC.	PIECE
PEN.	PENETRATION
PL.	PLATE
P. LAM.	PLASTIC LAMINATE
PLAS.	PLASTER
PLAT.	PLATFORM
PLYWD.	PLYWOOD
PR.	PAIR
PRCST.	PRE-CAST
PROJ.	PROJECT, PROJECTION
PREFAB.	PREFABRICATED
P.M.	PRESSED METAL
PT.	POINT
P.T.D.	PAPER TOWEL DISPENSER
PTN.	PARTITION
P.T.R.	PAPER TOWEL RECEPTACLE
PUB.	PUBLIC
Q.T.	QUARRY TILE
QTY.	QUANTITY
(R)	REMOVE
R.	RISER
RAD.	RADIUS
R.D.	ROOF DRAIN
REF.	REFERENCE
REFR.	REFRIGERATOR
REINF.	REINFORCED
REQ.	REQUIRED
RESIL.	RESILIENT
REV.	REVISE
RGTR.	REGISTER
R.H.M.S.	ROUND HEAD MACHINE SCREW
R.H.W.S.	ROUND HEAD WOOD SCREW
RM.	ROOM
R.O.	ROUGH OPENING
RWD.	REDWOOD
R.W.L.	RAIN WATER LEADER
R.B.	ROOM BASE
S.	SOUTH
S.A.D.	SEE ARCHITECTURAL DRAWINGS
S.C.	SOLID CORE
S.C.D.	SEAT COVER DISPENSER
SCHED.	SCHEDULE
SCR.	SCREEN
S.E.D.	SEE ELECTRICAL DRAWINGS
S.D.	SOAP DISPENSER OR SCUPPER DRAIN
SECT.	SECTION
SEP.	SEPARATION
SERV.	SERVICE
SH.	SHELF, SHELVES
SHR.	SHOWER
SHT.	SHEET
SHTHG.	SHEATHING
SIM.	SIMILAR
SLDG.	SLIDING
SK.	SINK
S.M.D.	SEE MECHANICAL DRAWINGS
S.N.	SEE NOTE
S.N.D.	SANITARY NAPKIN DISPENSER
S.N.R.	SANITARY NAPKIN RECEPTACLE
SP.	SPECIAL
S.P.D.	SEE PLUMBING DRAWINGS
SPEC.	SPECIFICATION
SPKR.	SPEAKER
SQ.	SQUARE
S.S.	STAINLESS STEEL
S.S.D.	SEE STRUCTURAL DRAWINGS

S.SK.	SERVICE SINK
ST.	STREET
STA.	STATION
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRL.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T.	TOILET
TBD.	TACK BOARD
T.C.	TOP OF CURB
TEL.	TELEPHONE
TEMP.	TEMPERED
TER.	TERRAZZO
T & G	TONGUE & GROOVE
THERM.	THERMAL
THK.	THICK
T.O.S.	TOP OF SLAB
T.P.	TOP OF PAVEMENT
T.P.D.	TOILET PAPER DISPENSER
TRD.	TREAD
TRES.	THRESHOLD
T.V.	TELEVISION
T.W.	TACKWALL
TYP.	TYPICAL
UNEX.	UNEXCAVATED
UNF.	UNFINISHED
UNGL.	UNGLAZED
UNPATD.	UNPAINTED
U.O.N.	UNLESS OTHERWISE NOTED
UR.	URINAL
UTIL.	UTILITY
V.A.T.	VINYL ASBESTOS TILE
V.B.	VERTICAL BLINDS
VEN.	VENEER
VERT.	VERTICAL
VEST.	VESTIBULE
V.G.	VERTICAL GRAIN
VIT.	VITREOUS
VOL.	VOLUME
V.P.	VIEW PANEL
V.T.	VINYL TILE
V.W.C.	VINYL WALL COVERING
W.	WEST
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
WND.	WINDOW
W.H.	WATER HEATER
W. GL.	WIRE GLASS
W/O	WITHOUT
W.O.	WHERE OCCURS
WP.	WATERPROOF
W.S.	WEATHER STRIPPING
WSCT.	WAINSCOT
WT.	WEIGHT
W.I.C.	WOODWORKING INSTITUTE OF CALIFORNIA

ADDITIONAL ABBREVIATIONS

A.B.	ANCHOR BOLT
ANNUN.	ANNUNCIATOR
CYL.	CYLINDER
D.P.A.	DATA PROCESSING AREA
E.S.	EXPANSION SCREED
F.H.C.	FIRE HOSE CABINET
G.D.	GUTTER DRAIN
HCP.	HANDICAP
I.C.	INSULATING CONCRETE
MECH.	MECHANICAL
MOD. C.	MODULAR CASE WORK
M.S.	MACHINE SCREW
N.I.O.	NOT IN ORDER (NUM ERICAL)
P.A.D.	PLANTER AREA DRAIN
RET. WALL	RETAINING WALL
S.T.S.	SELF TAPPING SCREW
SRW	SOUND RETARDANT WALL
T.O.P.	TOP OF PARAPET
T.O.W.	TOP OF WALL

ARCHITECTURAL LEGEND AND SYMBOLS

WALL AND PARTITION INDICATIONS

- CONC. WALL
- SHEAR WALL - SEE A2.4 & A2.5 (VERIFY W/ STRUCT. DRWG.)
- VENEER BRICK & STUD WALL
- TYPICAL PARTITION
- TYP. PARTITION W/ C.T. - SEE SHT. A4.1 FOR EXTENT
- SRW SEE A or B / 6.16
- PARTITION TO DECK ABOVE. SEE A or B / 6.16 SIM., DELETE SOUND INSULATION
- PARTITION WITH LEAD-LINED G.W.B. ONE SIDE - SEE C / 6.13

PLAN INDICATIONS

- DIM. TO CENTER OF STUD
- DIM. TO FACE OF STUD
- ATTIC SEPARATION - SEE C / 6.21 & SHT.S. A2.4 & A2.5
- D.F. — DRINKING FOUNTAIN SEMI-RECESSED
- F.E.C. — FIRE EXTINGUISHER CABINET - SEMI-RECESSED

MATERIAL INDICATIONS

- EARTH
- ROCK
- CONCRETE
- GYPSUM WALL BOARD
- CERAMIC TILE
- METAL, SECTION
- ACOUSTIC TILE OR BOARD
- PLYWOOD
- FINISH WOOD
- ROUGH WOOD
- RESILIENT FLOORING
- BLANKET INSULATION
- SOUND ABSORBING BOARD

SYMBOLS

- 300 — ROOM NUMBER
- DOOR NO. / DOOR TYPE / DOOR SIZE / HARDWARE GROUP — DOOR REFERENCE (SEE DET. BOOK, GROUP 5)
- 18 — WINDOW REFERENCE (SEE DET. BOOK, GROUP 4)
- A — LOUVER REFERENCE SEE DET. SHT. 8.32
- VB2 — VERTICAL BLIND TYPE SEE DET. SHT. 8.12
- 5, C — COLUMN OR GRID LINES
- C / 3.5 — DETAIL REFERENCE, SUB-DETAIL LETTER, DETAIL SHT. NO. IN DET. BOOK
- 1 / A3.2 — SECTION REFERENCE, SECTION NO., SHEET NO.
- 4 / A3.1 — DRAWING DETAIL REFERENCE, DETAIL NO., SHEET NO.
- 302 — MODULAR CASEWORK REFERENCE W.I.C. NO.
- DA / 2 — EQUIPMENT REFERENCE, DEPARTMENT ABREV., NO.
- 5 → KITCHEN EQUIPMENT REFERENCE NO.
- 1-HR. CORRIDOR - SEE A2.1 & A2.2
- ℄ CENTERLINE
- [CHANNEL
- ϕ DIAMETER OR ROUND
- # NUMBER OR POUND
- ⊥ PERPENDICULAR
- & AND
- ∠ ANGLE
- @ AT
- LIMITS OF WORK - SEE SHT. A1.3 & A1.4
- LIMITS OF ALTERNATE WORK SEE SHT. A1.3 & A1.4

AS BUILT

DRAWING INDEX

Sheet No. and Title

A. ARCHITECTURAL

- A0.1 Cover Sheet
- A0.2 Abbreviations-General Notes- Index to Drawings-Location Map
- A1.1 Site Survey
- A1.2 Site Survey
- A1.3 Site-Grading Plan
- A1.4 Site-Grading Plan
- A2.1 First Floor Plan
- A2.2 Second Floor Plan
- A2.3 Roof Plan
- A2.4 First Floor Partition Key Plan
- A2.5 Second Floor Partition Key Plan
- A3.1 Exterior Elevations
- A3.2 Building Sections
- A4.1 Toilet Rm. Plans-Interior Elevations
- A4.2 Culinary Arts-Plan & Interior Elevations
- A4.3 Dental Lab-Plans & Interior Elevations
- A4.4 Plans-Dark Room-T.V. Studio-Monitor Rm.
- A4.5 Criminal Justice & Data Processing Labs-Plans & Interior Elevations
- A5.1 Interior Elevations
- A6.1 Reflected Clg. Plan-First Floor
- A6.2 Reflected Clg. Plan-Second Floor
- A7.1 Stairs-Plans & Sections
- A8.1 Landscape Plan
- A8.2 Landscape Plan
- A8.3 Irrigation Plan
- A8.4 Irrigation Plan
- A8.5 Irrigation Details

B. STRUCTURAL

- S1 General Notes
- S2 Typical Structural Details
- S3 Foundation & First Floor Framing Plan
- S4 Second Floor Framing Plan
- S5 Roof Framing Plan
- S6 Structural Sections
- S7 Structural Sections
- S8 Structural Sections
- S9 Structural Sections
- S10 Structural Sections
- S11 Structural Sections
- S12 Trus Joist Profile & Details

C. MECHANICAL

- M1 Boiler Room, Legend & Details
- M2 First Floor Plan & Details
- M3 Second Floor Plan & Details
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- M5 Equipment Schedules

D. PLUMBING

- P1 Plumbing-Site Plan- Partial
- P2 Plumbing-Site Plan- Partial
- P3 ~~Plumbing-First Floor Plan~~
- P4 Plumbing-Second Floor Plan
- P5 Plumbing-Details
- P6 Plumbing-Details, Notes & Schedule
- P7 Plumbing-Kitchen, Criminal Justice Lab & Dental Lab

E. ELECTRICAL

- E1 Site Layout, Electrical
- E2 12 KV Single Line & Details
- E3 Details
- E4 Single Line & Block Diagrams
- E5 First Floor - Power
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- E7 First Floor - Lighting
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- E9 Kitchen Plan & Food Service Schedule
- E10 Roof Plan-Mechanical Services
- E11 Details
- E12 Details
- E13 Details
- E14 Symbols-Notes-Legend
- E15 Boiler Room Layout

F. RFQ 20A, 29A, 39A, 39B, 39C, 39D, 39E, 40A

DETAIL DRAWING INDEX

ARCHITECTURAL DETAIL BOOK

GROUP	GROUP TITLE
1.0	SITE
2.0	ROOF
3.0	EXTERIOR WALL & SLAB
4.0	WINDOWS-WINDOW SCHEDULE
5.0	DOORS - DOOR SCHEDULE
6.0	INTERIOR ROOM FINISH SCHEDULE, BASE, WALL & CEILING
7.0	MODULAR & CUSTOM CASEWORK
8.0	MISCELLANEOUS

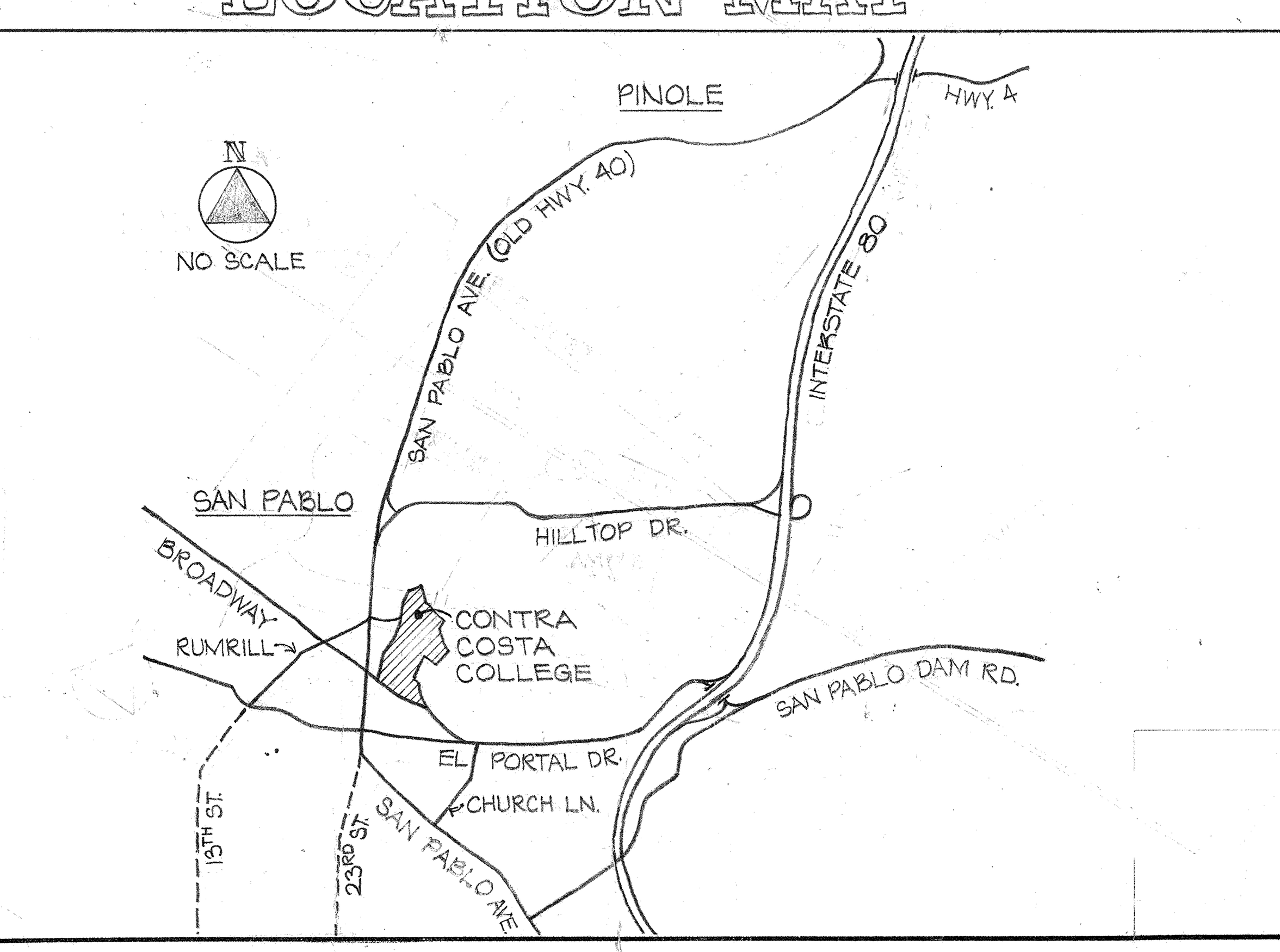
GENERAL NOTES

1. THE ARCHITECTURAL DRAWINGS ARE DIVIDED INTO TWO CATEGORIES: LARGE DRAWING SHEETS AND 8-1/2" x 11" DETAIL SHEETS IN BOOKLET FORM.
2. ALL CEILING HEIGHTS ARE 9'-0", UNLESS OTHERWISE NOTED ON PLANS.
3. ALL WOOD STUDS TO BE 2x6 TYPICALLY UNLESS OTHERWISE NOTED ON PLANS.
4. LIST OF APPLICABLE CODES: SEE SPECIFICATIONS SECTION 1180.
5. FOR WINDOW SCHEDULE SEE GROUP 4 OF DETAILS.
6. FOR FINISH SCHEDULE SEE GROUP 6 OF DETAILS.
7. FOR DOOR SCHEDULE SEE GROUP 5 OF DETAILS.
8. ALL FIXTURE AND EQUIPMENT SUPPORTS AND BRACINGS ABOVE ALL SUSPENDED CEILINGS MUST BE CO-ORDINATED WITH THE DUCT WORK, CEILING GRILLES, ACCESS CEILING DOORS, ETC.
9. ALL SHT. MET. IS GALV. IRON U.O.N.
10. N.I.C. ITEMS ARE NOT A PART OF O.S.A. APPROVAL

'DEFERRED APPROVAL' ITEMS AS PER T-21, SECT. 11 (E) ARE AS FOLLOWS:

- ACCESS FLOOR - SPEC. SECT. 10270, DET. SHT. 8.1, RM. 156
- MOVABLE STORAGE SYSTEM - SPEC. SECT. 10220, DET. SHT. 8.35, RM. 220
- ELEVATOR - SPEC. SECT. 14200, SHT. A7.1
- KITCHEN UNIT NO. 77 & 46 ANCHORAGE BY MFR.
- WINDOWS - SPEC. SECT. 08520.

LOCATION MAP



ARCHITECT / STRUCT. ENGINEER / CONSULT. ENGINEER

STRUCTURAL SAFETY SECTION · APPLICATION NO. 42256 · AUG 27 '79 · Per [signature] PRINCIPAL STRUCTURAL ENGINEER

APPROVED FIRE AND PANIC ONLY · AUG 24 1979 · STATE FIRE MARSHAL NORTHERN REGION

COMETTA AND CIANFICHI
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P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

ABBREVIATIONS, GENERAL NOTES, INDEX TO DRAWINGS- LOCATION MAP

APPLIED ARTS & ADMINISTRATION COMPLEX

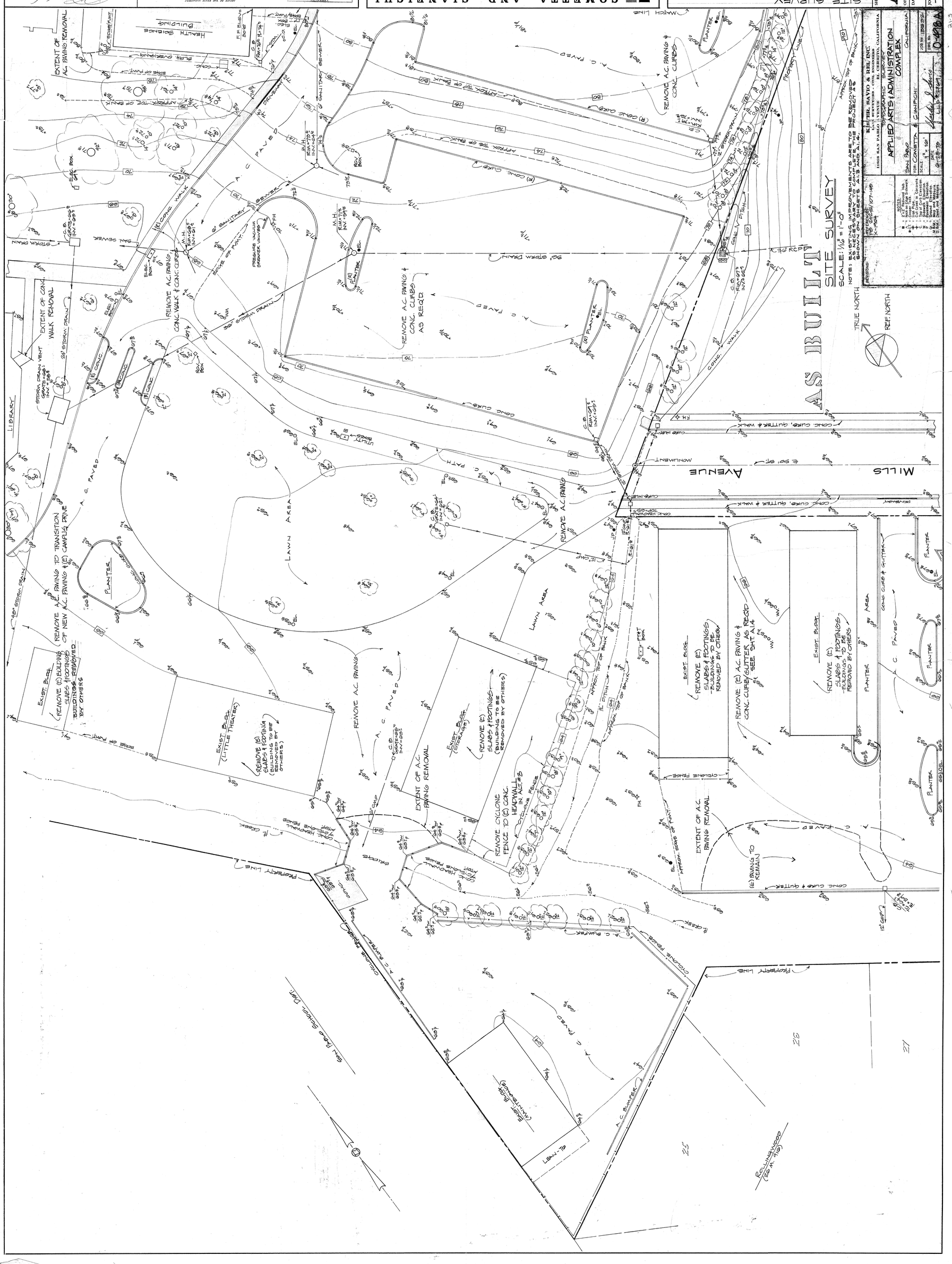
CONTRA COSTA COLLEGE · SAN PABLO, CALIFORNIA

SHEET A0.2

OF

DATE 8-24-79

JOB No. 770-71A



SITE SURVEY
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA
A1.1
8-24-79
770-71
4-15-77
COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
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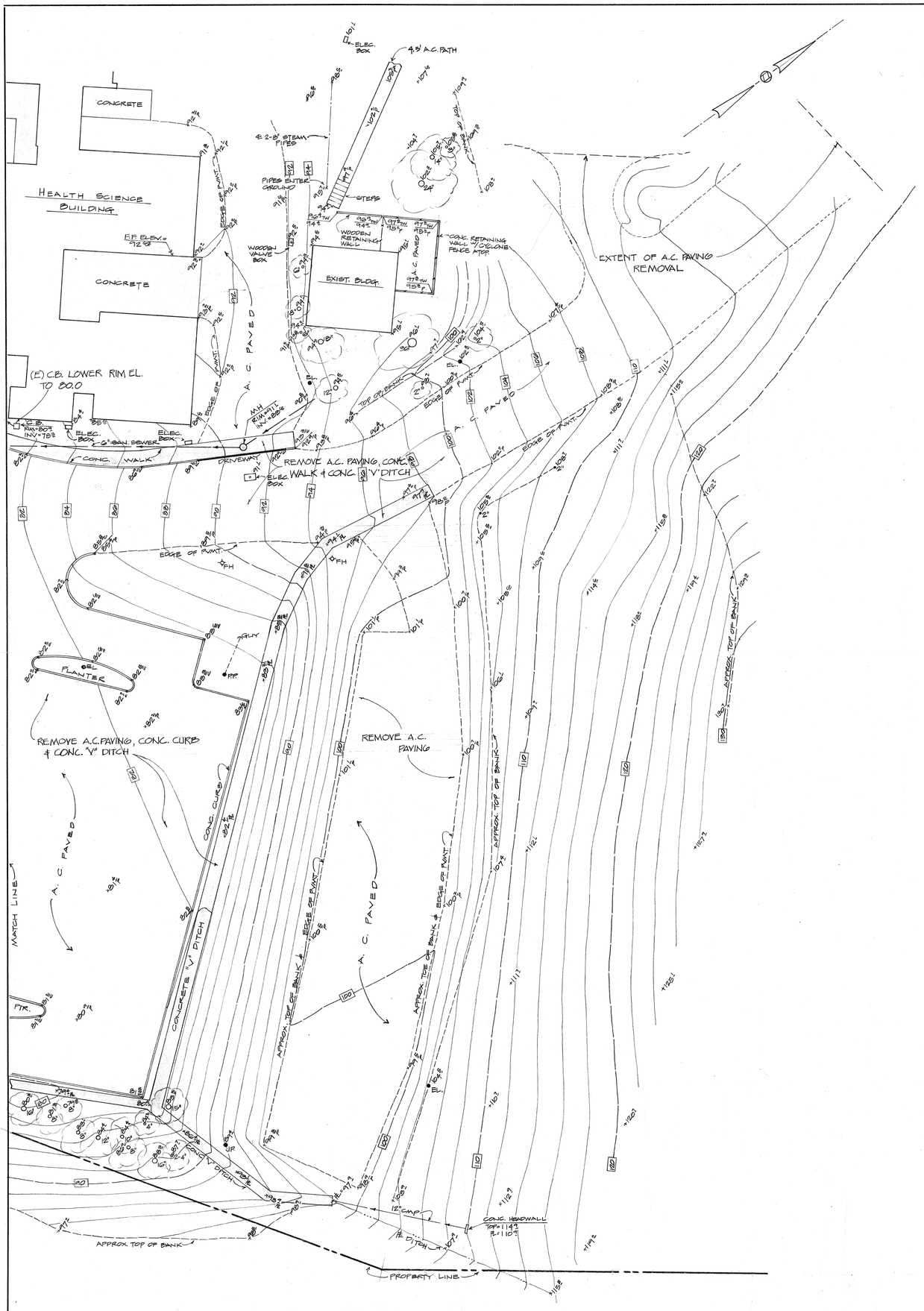
KISTER, SAVIO & REI, INC.
LAND SURVEYORS · CIVIL ENGINEERS
1515 SAN PABLO AVENUE EL CERRITO, CALIFORNIA
TOPOGRAPHIC SURVEY
APPLIED ARTS & ADMINISTRATION COMPLEX
SAN PABLO CALIFORNIA
FOR: COMETTA & CIANFICHI
SCALE: 1" = 10'
DATE: 6-23-79
JOB No. 1180892
DWG. No. 0498A
AS BUILT
SITE SURVEY
SCALE: 1/16" = 1'-0"
NOTE: EXISTING IMPROVEMENTS ARE TO BE REMOVED AS NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON SHEETS A1.3 AND A1.4.
TRUE NORTH
REF. NORTH
MILLS AVENUE
LIBRARY
HEALTH SCIENCE BUILDING
EXTENT OF A.C. PAVING REMOVAL
EXTENT OF CONC. WALK REMOVAL
REMOVE A.C. PAVING & CONC. CURBS AS REQ'D
REMOVE A.C. PAVING & CONC. CURBS
REMOVE A.C. PAVING TO TRANSITION OF NEW A.C. PAVING & (E) CAMPUS DRIVE
REMOVE (E) BUILDING SLABS & FOOTINGS BUILDINGS REMOVED BY OTHERS
EXIST. BLDG. (LITTLE THEATER)
REMOVE (E) SLABS & FOOTING (BUILDING TO BE REMOVED BY OTHERS)
EXIST. BLDG. (STORAGE)
REMOVE (E) SLABS & FOOTINGS (BUILDING TO BE REMOVED BY OTHERS)
REMOVE CYCLONE FENCE TO (E) CONC. HEADWALL IN ALT. #3
EXIST. BLDG.
REMOVE (E) SLABS & FOOTINGS -BUILDINGS TO BE REMOVED BY OTHERS
REMOVE (E) A.C. PAVING & CONC. CURB/GUTTER AS REQ'D SEE SHT. A1.4
EXIST. BLDG.
REMOVE (E) SLABS & FOOTINGS -BUILDINGS TO BE REMOVED BY OTHERS
EXTENT OF A.C. PAVING REMOVAL
(E) PAVING TO REMAIN
LAWN AREA
PLANTER
A.C. PAVED
A.C. PATH
CONC. WALK
CONC. CURB
CONC. CURB, GUTTER & WALK
CYCLONE FENCE
PROPERTY LINE
SAN PABLO SCHOOL DIST.
ROLLINGWOOD (26 M. 910)
LEAN-TO



AS BUILT

SITE SURVEY

SCALE: 1/16" = 1'-0"

NOTE: EXISTING IMPROVEMENTS ARE TO BE REMOVED AS NECESSARY TO COMPLETE PROJECT AS SHOWN ON SHTS. A1.3 AND A1.4

General Notes

1. DATUM: CONTRA COSTA COLLEGE.
2. BENCH MARK: NORTH END HEADWALL @ FURNACE BUILDING (ELEV. = 92.92).
3. THIS MAP IS NOT A PROPERTY LINE SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATE ONLY.
4. TOPOGRAPHY BY TRANSIT STADIA CONTROL METHOD.
5. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
6. CONTOURS BY INTERPOLATION AND ARE APPROX. ONLY.

Legend

JP	JOINT POLE
FH	FIRE HYDRANT
EL	ELECTROLIER
WV	WATER VALVE
CB	CATCH BASIN
CO	CLEAN OUT
MH	MANHOLE
(02")	TREE W/TRUNK SIZE.

TRUE NORTH

REF. NORTH

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
FOR CONSTRUCTION ONLY
AUG 24 1979
STATE FIRE MARSHAL
NORTHERN REGION

APPLICATION NO. 42556

FILE NO. 27 78

By: G.A. Maukonen M.S.
Principal Structural Engineer

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

COMETTA AND CIANFICHI
3316 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA . J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT . J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE SAN PABLO CCCCD CALIFORNIA

SITE SURVEY

SHEET **A1.2** OF

DATE 8-24-79

JOB No. 770-71A

REVISIONS:

REFERENCES:
FB: 242-5/107-145
X-1904

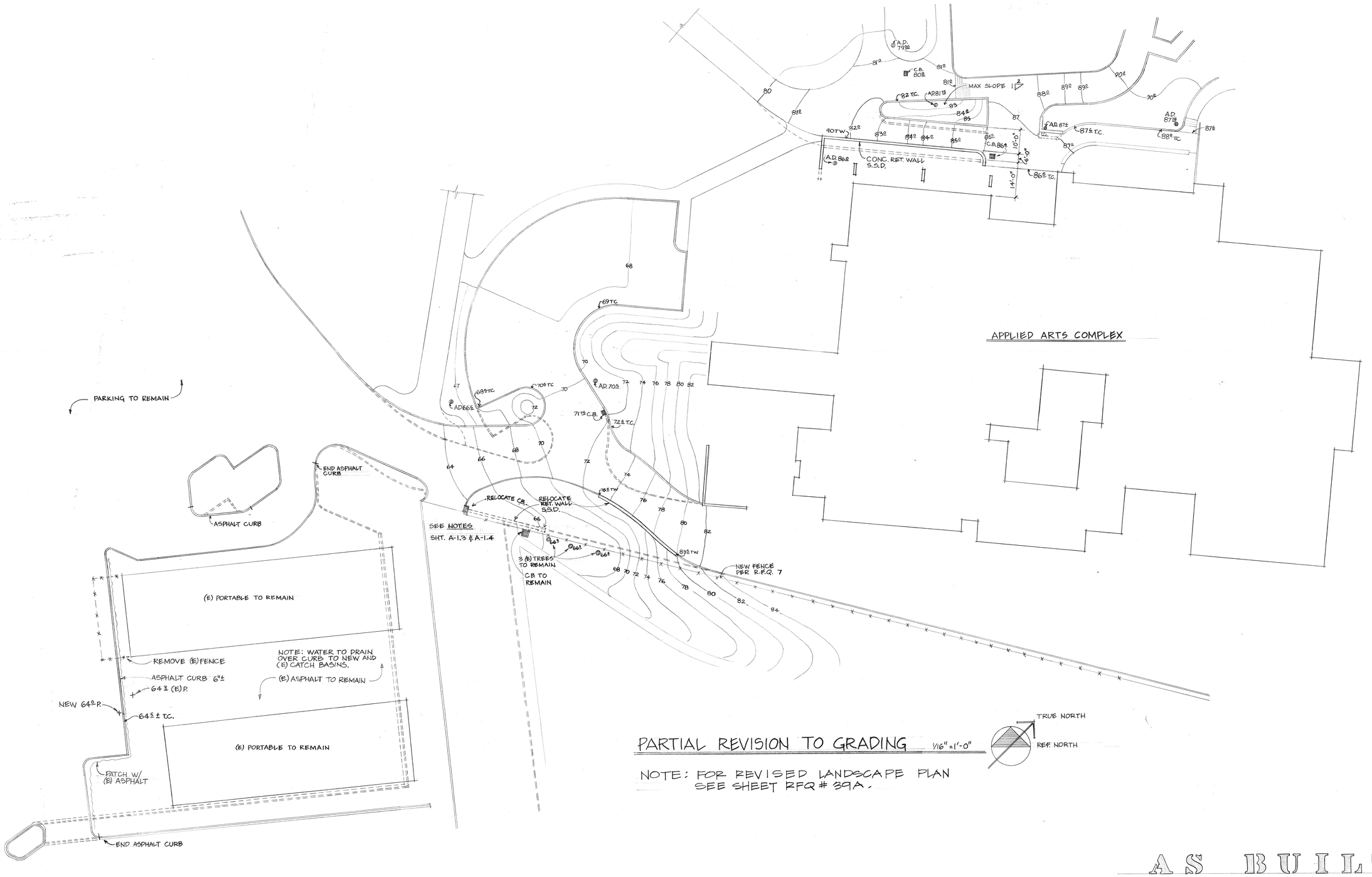
KISTER, SAVIO & REI, INC.
LAND SURVEYORS - CIVIL ENGINEERS
11515 SAN PABLO AVENUE EL CERRITO, CALIFORNIA

TOPOGRAPHIC SURVEY
APPLIED ARTS & ADMINISTRATION COMPLEX
SAN PABLO CALIFORNIA
FOR: COMETTA & CIANFICHI

NOTES
B = 2"x2" Redwood Hub.
A = Nick on Edge Sidewalk.
C.T. = Cooper Tack.
I = Iron Pipe.
+ = Cut Cross in Concrete.
C = Top of Curb Elevation.
W = Sidewalk Elevation.
P = Pavement Elevation.
G = Ground Elevation.
M.B.M. = Map and Measure.
D.B.M. = Deed and Measure.

SCALE: 1" = 16'
DATE 6-22-79
Charles J. Savio L.L.S. 2709
JOB No. 13032
DWG. No. 0-498B

4-15-77



PARTIAL REVISION TO GRADING 1/16" = 1'-0"

NOTE: FOR REVISED LANDSCAPE PLAN SEE SHEET RFQ # 39A.

AS BUILT

PORTION OF SHEET A1.3 & A1.4

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-4697
CONFER CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-6202
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P. D. CIANFICHI, ARCHITECT — J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS — P. W. CONFER

PARTIAL REVISION TO GRADING

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CCCCD CALIFORNIA

SHEET RFQ 20A
OF
DATE 3/2/81
JOB No. 770-71A

REVISED PARKING & LANDSCAPE PLANS
CONTRA COSTA COLLEGE
APPLIED ARTS & ADMINISTRATION COMPLEX
SAN PABLO, CALIF.

SHEET RFQ-10-A
OF
DATE 7-15-82
JOB No. 770-71A

COMETTA AND CIANFICHI
3916 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONNER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA · J. S. NANCE, ARCHITECT · J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS / P. W. CONNER

ARCHITECT

STRUCT. ENGINEER

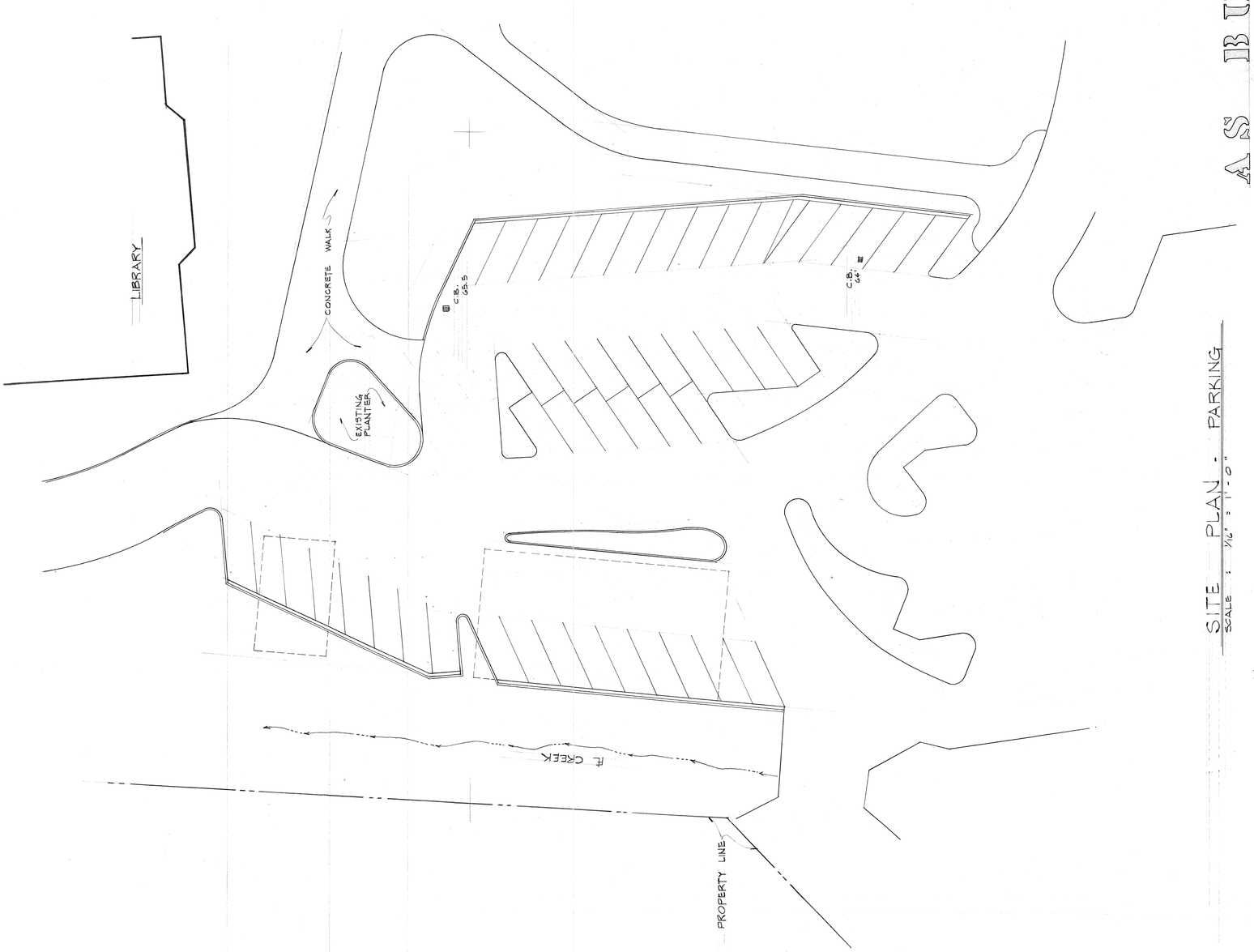
CONSULT. ENGINEER

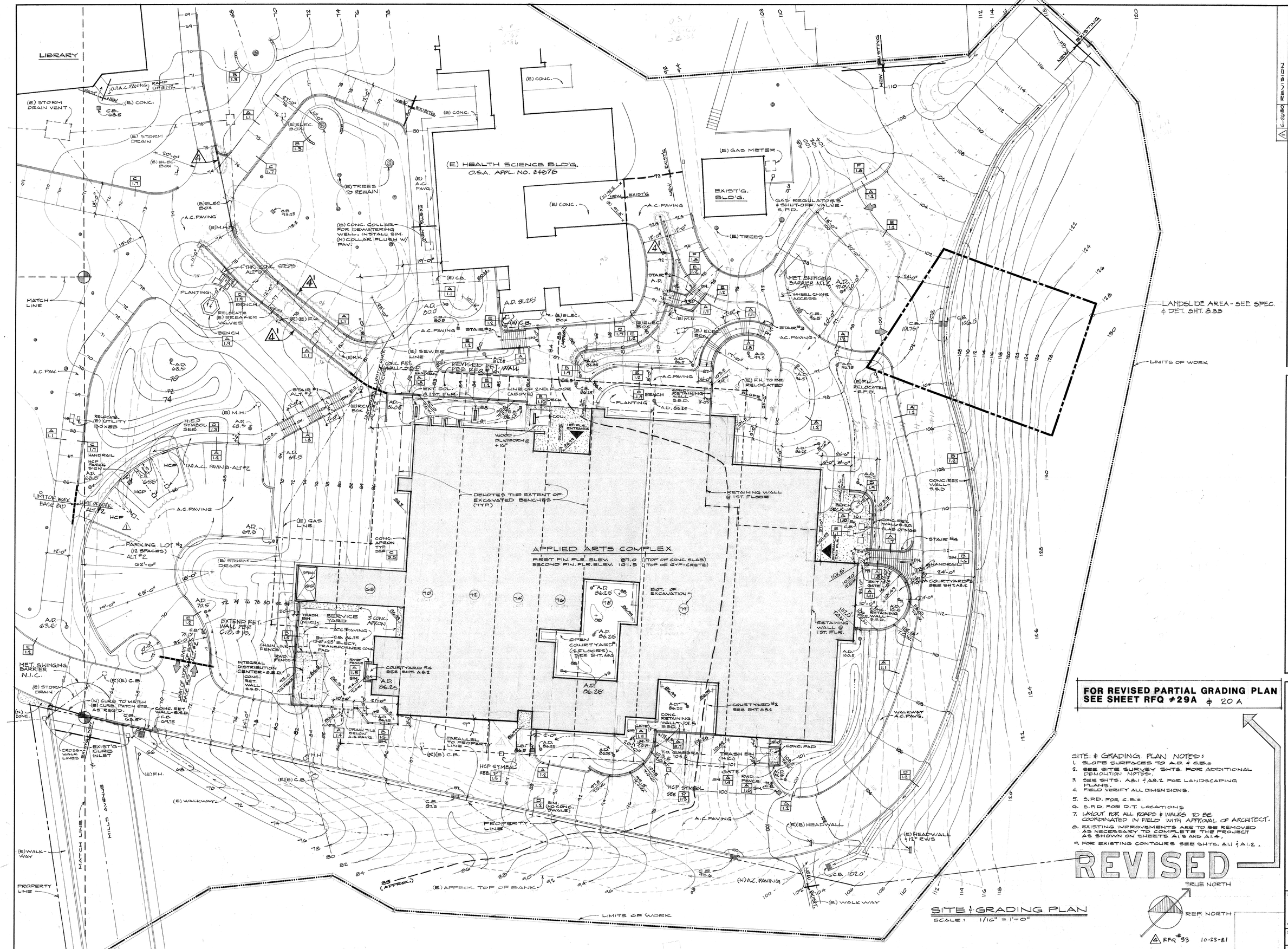
AS BUILT

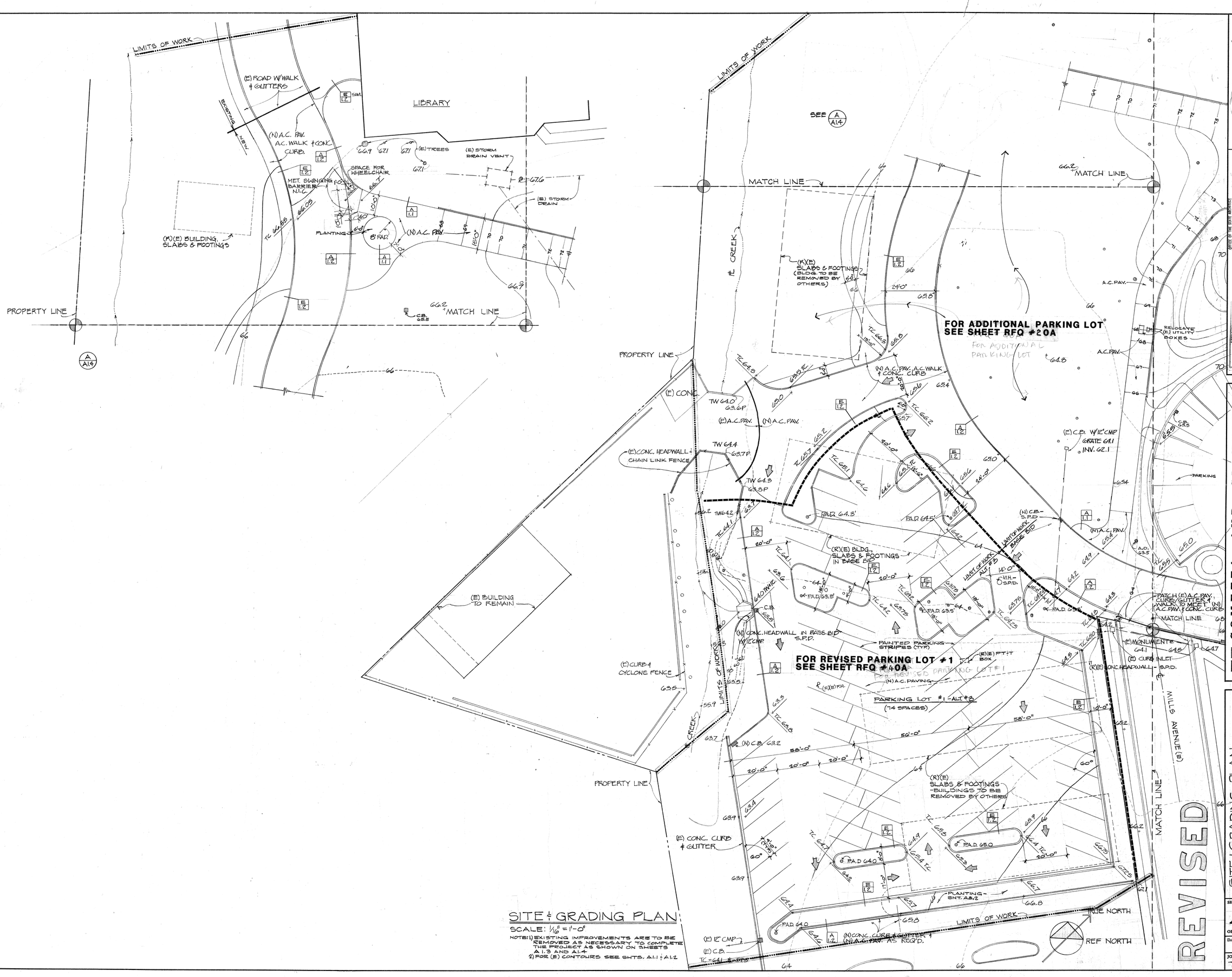
PORTION OF SHEET A1.3 & A1.4

SITE PLAN - PARKING

SCALE : 1/2" = 1'-0"




LIBRARY
(E) HEALTH SCIENCE BLD'G.
O.S.A. APPL. NO. 34075
EXIST'G. BLD'G.
APPLIED ARTS COMPLEX
FIRST FIN. FLR. ELEV. 87.0 (TOP OF CONC. SLAB)
SECOND FIN. FLR. ELEV. 101.5 (TOP OF GYP.-CRETE)
SERVICE YARD
OPEN COURTYARD (2 FLOORS) SEE SHT. A8.2
COURTYARD #2 SEE SHT. A8.2
COURTYARD #4 SEE SHT. A8.2
COURTYARDS SEE SHT. A8.2
(E) HEALTH SCIENCE BLD'G.
(E) CONC.
(E) GAS METER
(E) TREES
(E) TREES TO REMAIN
(E) STORM DRAIN VENT
(E) STORM DRAIN
(E) ELEC. BOX
(E) M.H.
(E) C.B.
(E) A.C. PAVG.
(E) CONC. COLLAR - FOR DEWATERING WELL. INSTALL SIM. (N) COLLAR FLUSH W/ PAV.
A.C. PAVING
(E) SEWER LINE
(E) GAS LINE
(E) STORM DRAIN
(E) WALKWAY
(E) APPROX. TOP OF BANK
(E) F.H. TO BE RELOCATED
(E) F.H. RELOCATED - S.P.D.
(E) F.H.
(E) ELEC. BOX
(E) M.H.
(E) C.B.
(E) SEWER LINE
(E) ELEC. BOX
(E) GAS METER
(E) TREES



SITE & GRADING PLAN

SCALE: 1/16" = 1'-0"

NOTE: 1) EXISTING IMPROVEMENTS ARE TO BE REMOVED AS NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON SHEETS A1.3 AND A1.4
2) FOR (E) CONTOURS SEE SHTS. A1.1 & A1.2

REVISED

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
RCE 27779
Per J.A. Mackenzie Jones
PRINCIPAL STRUCTURAL ENGINEER
APPLICATION 42854
DSA APPROVED
STATE FIRE MARSHAL APPROVED

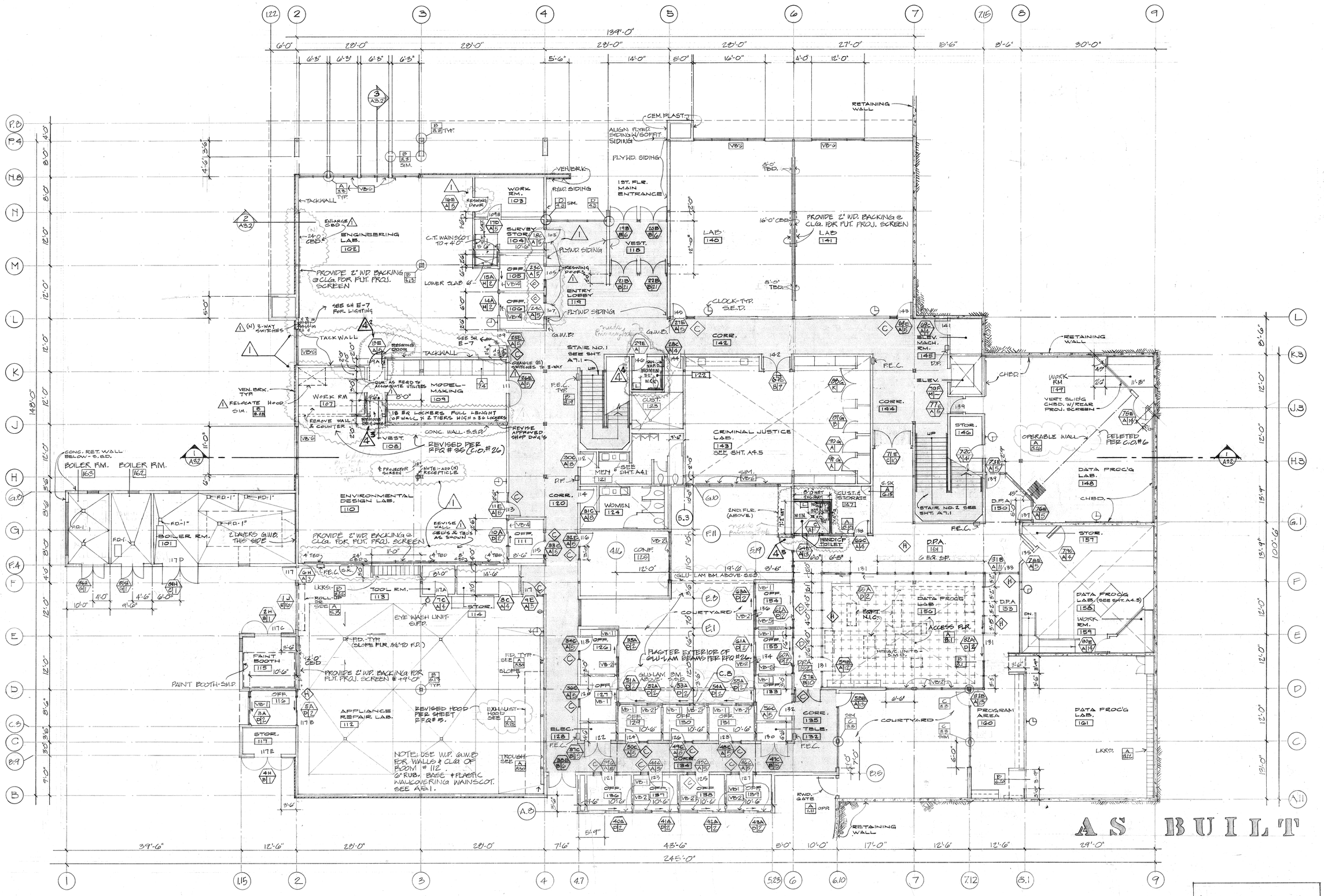
COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
B. A. COMETTA . J. S. NANCE, ARCHITECT
P. D. CLANFICHI, ARCHITECT . ASSOCIATED ARCHITECTURAL FIRMS
P. W. CONFER

SITE & GRADING PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

SHEET A1.4
OF
DATE 8-24-79
JOB No. 770-71A

4-15-77 21-3



FIRST FLOOR PLAN 1/8" = 1'-0"

NOTES: 1. SEE SHT. A3.1 FOR EXTERIOR WINDOW SCHEDULE.
2. SEE SHT. A5.1 FOR INTERIOR ELEVATIONS SHOWING CABINETRY AND MISC. ITEMS.
3. RM. 143 TO HAVE SOUND INSULATION ABOVE CEILING. ATTACH TWO LAYERS OF GYP. BD. TO UNDERSIDE OF FLR. JOISTS.

TRUE NORTH

REF. NORTH

1	RFQ # 25	5-29-81
4	RFQ # 33	10-23-81

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

STRUCTURAL SAFETY SECTION

42256

AUG 27 '79

Per J.A. Mackenzie

PROJECT ENGINEER

APPROVED FOR AUTHORIZATION ONLY

AUG 24 1979

STATE OF CALIFORNIA

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA J. S. NANCE, ARCHITECT J. E. CROSSEN, ARCHITECT
P. D. GIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

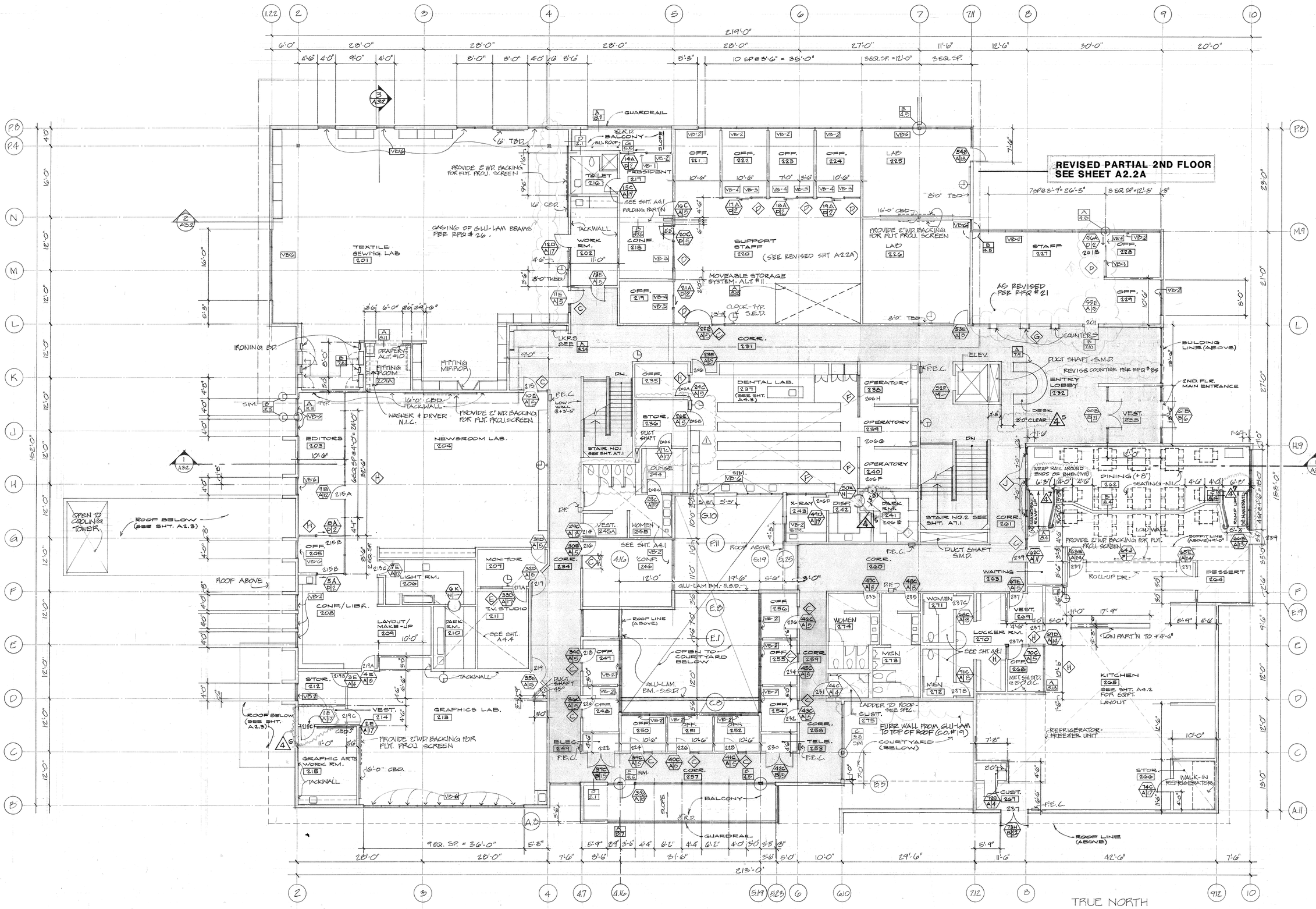
FIRST FLOOR PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA

SHEET A2.1 OF

DATE 8-24-79

JOB No. 770-71A



SECOND FLOOR PLAN 1/8" = 1'-0"

NOTE:
1. INSTALL CEILING SOUND INSULATION ABOVE ALL CEILINGS ON THE SECOND FLOOR EXCEPT @ STAIR #2 & RMS. 261-274.

TRUE NORTH

REF. NORTH

4 RFQ #3 10-23-81

AS BUILT

REVISION

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

STRUCTURAL SAFETY SECTION

AUG 27 '79

42256

APPLICATION NO.

FOR J.J. Mackenzie MAS
PRINCIPAL STRUCTURAL ENGINEER

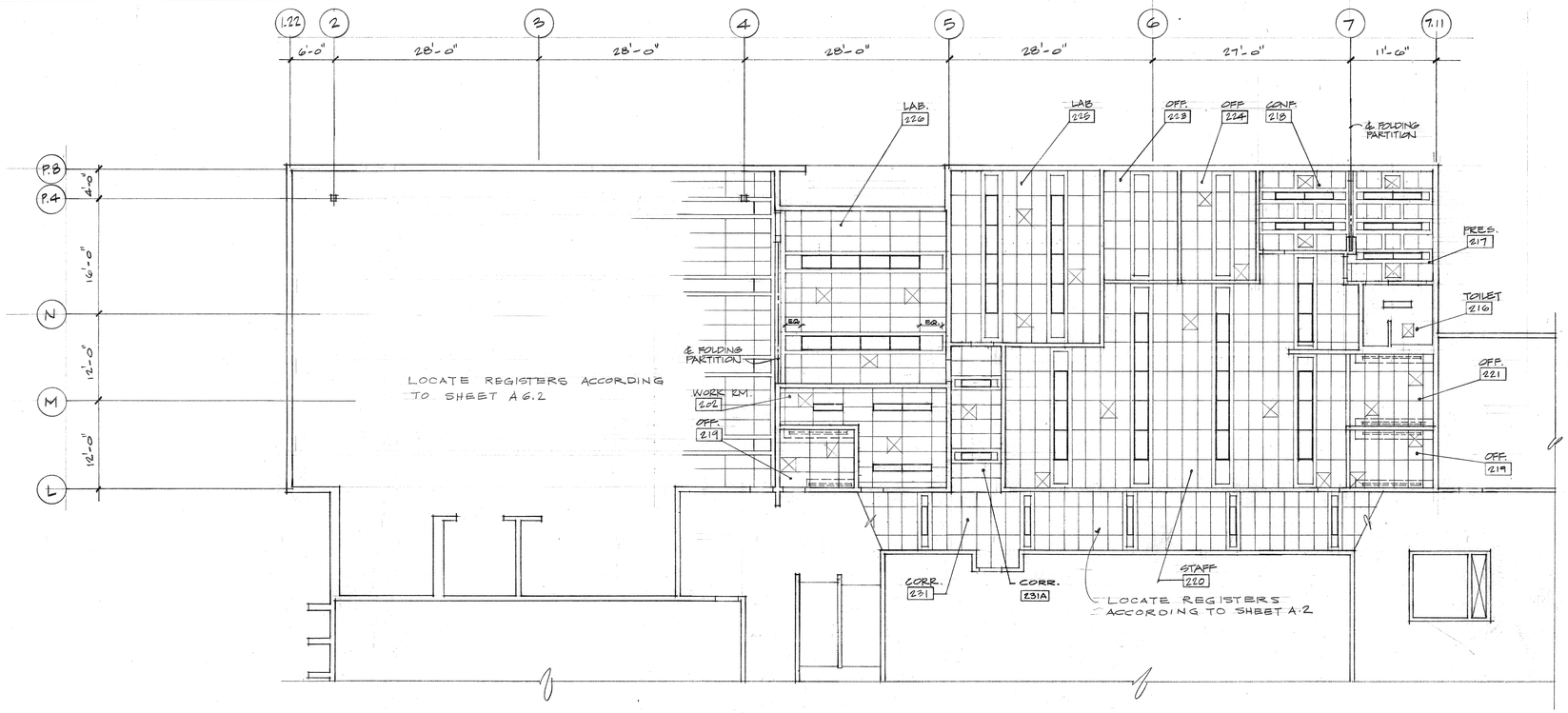
APPROVED FOR CONSTRUCTION ONLY
AUG 24 1979
STATE FIRE MARSHAL
NORTHERN REGION

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA · J. S. NANCE, ARCHITECT · J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

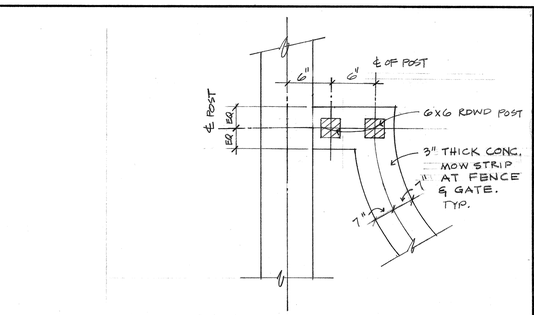
SECOND FLOOR PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

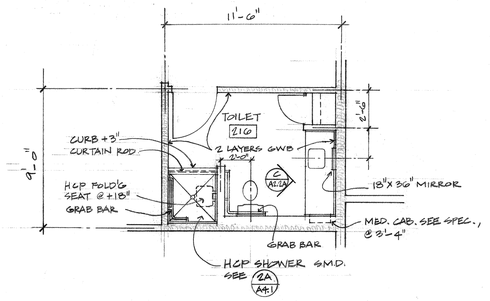
SHEET A2.2
OF
DATE 8-24-79
JOB No. 770-71A



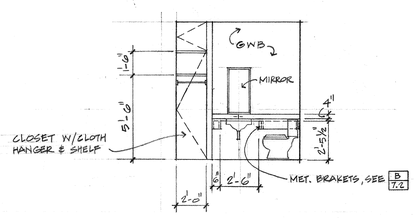
REFLECTED CEILING PLAN
1/8" = 1'-0"



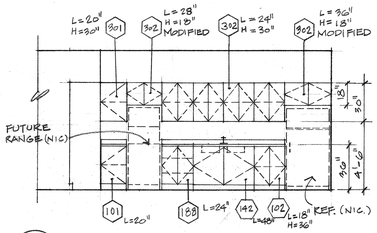
A A2.2A DETAIL PLAN @ FENCE
NO SCALE



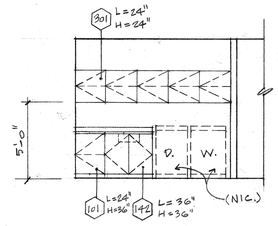
B A2.2A DET. PLAN @ TOILET - RM. # 216
1/4" = 1'-0"



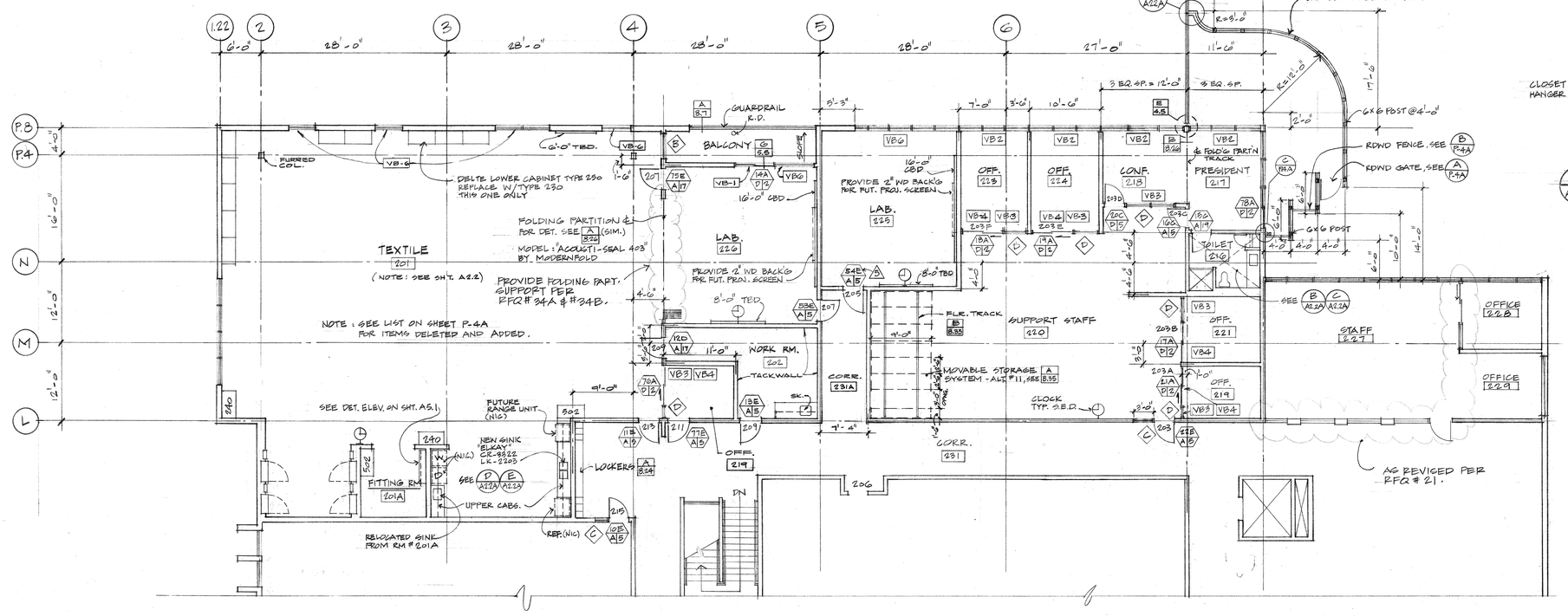
C A2.2A TOILET ELEVATION - RM # 216
1/4" = 1'-0"



D A2.2A DET. ELEV. RM # 201
1/4" = 1'-0"



E A2.2A DET. ELEV. RM. # 201
1/4" = 1'-0"



SECOND FLOOR PLAN
1/8" = 1'-0"

AS BUILT

A AS PER CHANGE ORDERS 9/29/85

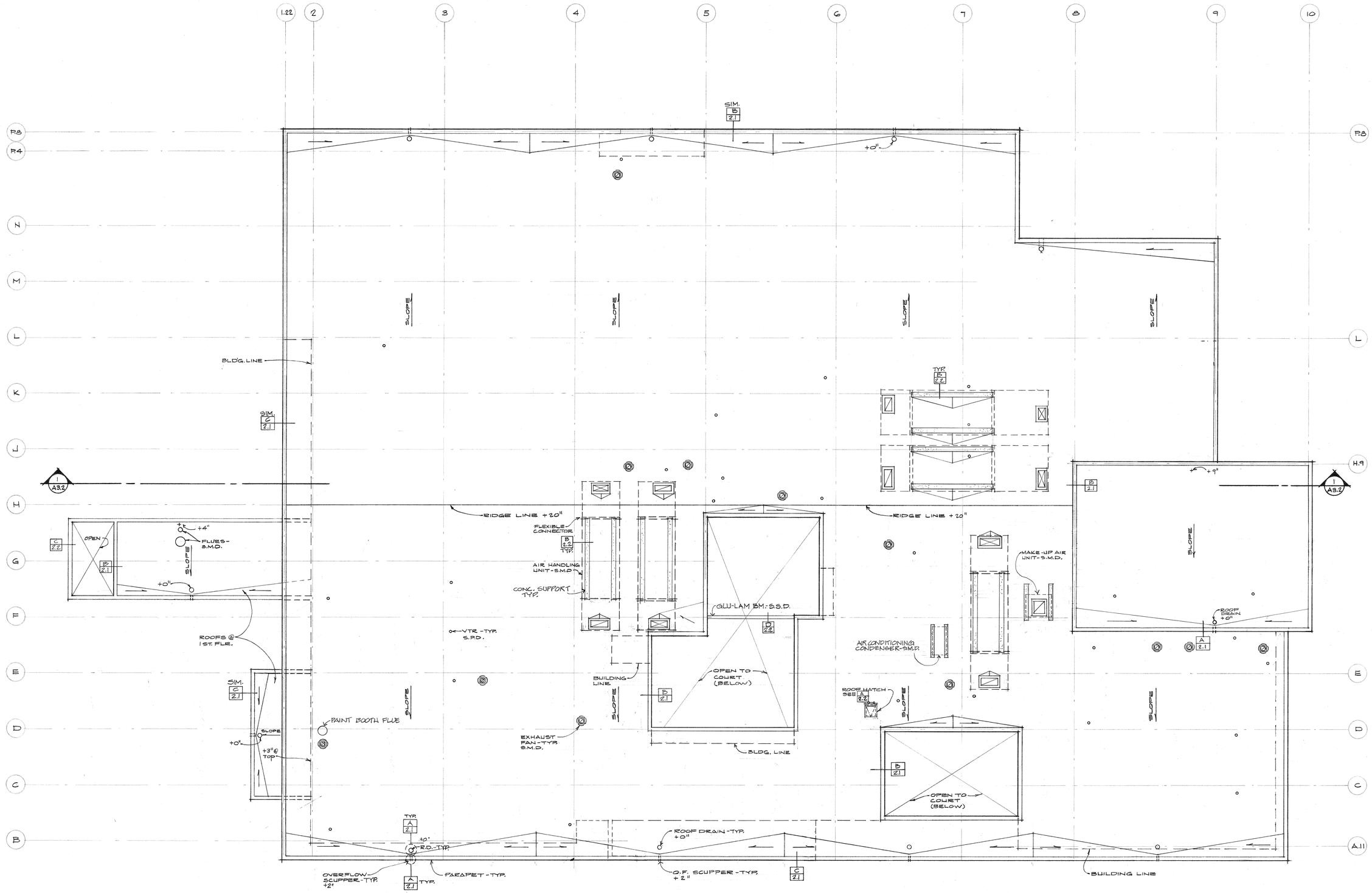
REVISED 9/29/80
LOCATE REGISTERS

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

COMETTA AND CIANFICHI
ARCHITECTURAL AND PLANNING FIRM
PAUL D. CIANFICHI, ARCHITECT, A.I.A. ELVIN A. COMETTA
3516 MACDONALD AVENUE • RICHMO CALIFORNIA • 232-2637

SECOND FLOOR - REVISED PLAN
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CCCCD CALIFORNIA

SHEET A2.2A
OF
DATE 6/11/80
JOB No. 2102-80



ROOF PLAN 1/8" = 1'-0"

NOTES:

1. SLOPE ROOF SURFACES TO ROOF DRAINS (1/4"/FT.-MIN.).

TRUE NORTH

REF. NORTH

AS BUILT

COMETTA AND GIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 231-2657
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-1292
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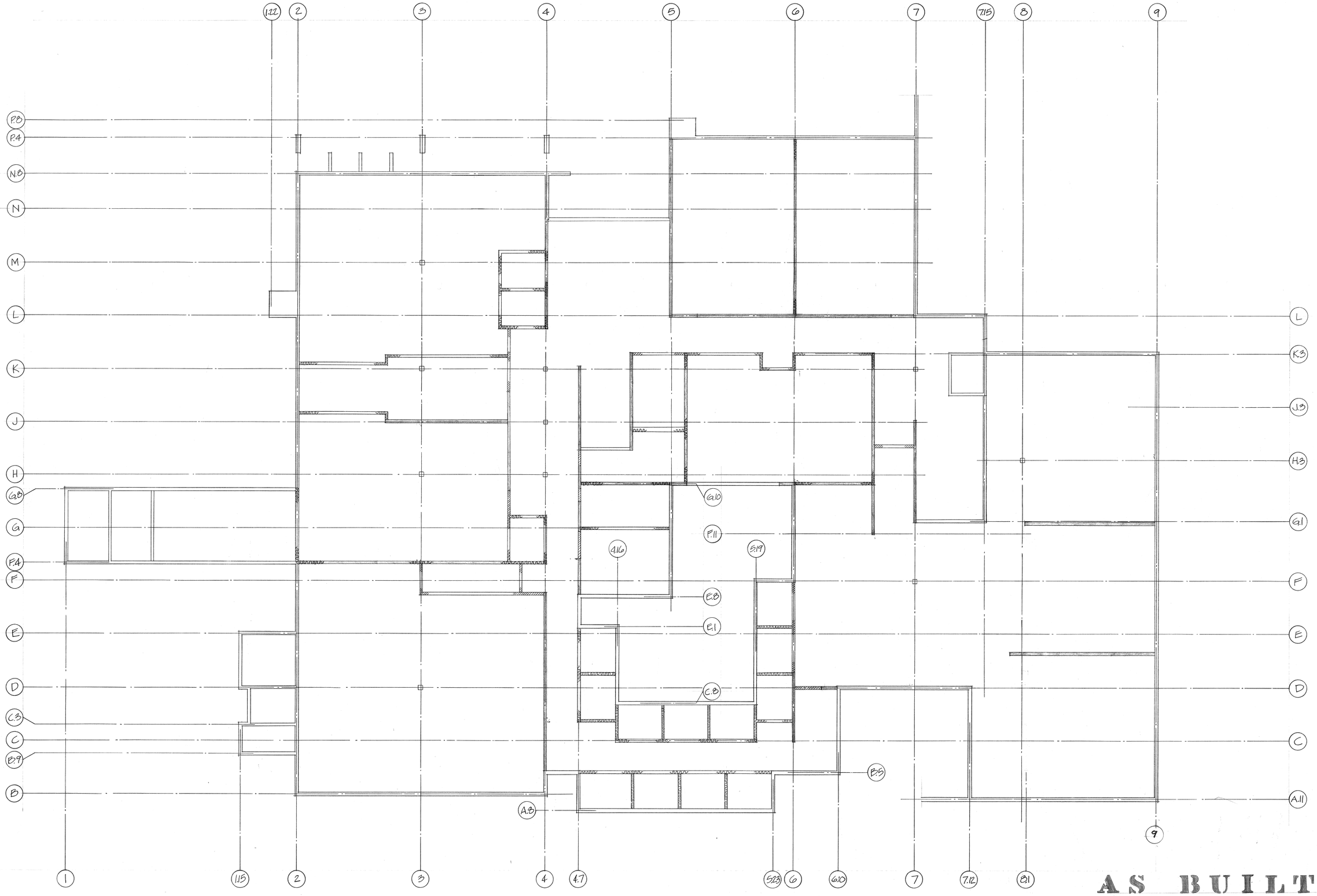
P. D. GIANFICHI, ARCHITECT J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS
P. W. CONFER

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF INDUSTRIAL SAFETY - SECTION
APPLICATION NO. 42254
FILE NO. 27 79
APPROVED FOR CONSTRUCTION
PRELIMINARY APPROVAL ONLY
DATE 2-11-71
BY AMC
APPROVED
DIVISION OF INDUSTRIAL SAFETY

ROOF PLAN
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA

SHEET A2.3
OF
DATE 8-24-70
JOB No. 710-71A



AS BUILT

LEGEND:
- SHEAR WALL (VERIFY W/ STRL. DRWGS)
- PARTITION TO DECK ABOVE - SEE A/A6.16 SIM., DELETE SOUND INSULATION.
- ATTIC SEPARATION - SEE C/A6.21
- SOUND RETARDANT WALLS - SEE A/A6.16

FIRST FLOOR PARTITION KEY PLAN 1/8" = 1'-0"

NOTE: THIS PLAN IS SCHEMATIC. REFER TO ARCH. PLANS & STRUCT. DRAWINGS FOR EXACT LOCATION OF PARTITIONS AND EXTENT OF SHEAR WALLS.

TRUE NORTH

REF. NORTH

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

APP'D 2-27-78

42856

By [signature]
PRINCIPAL STRUCTURAL ENGINEER

APPLICATION NO.

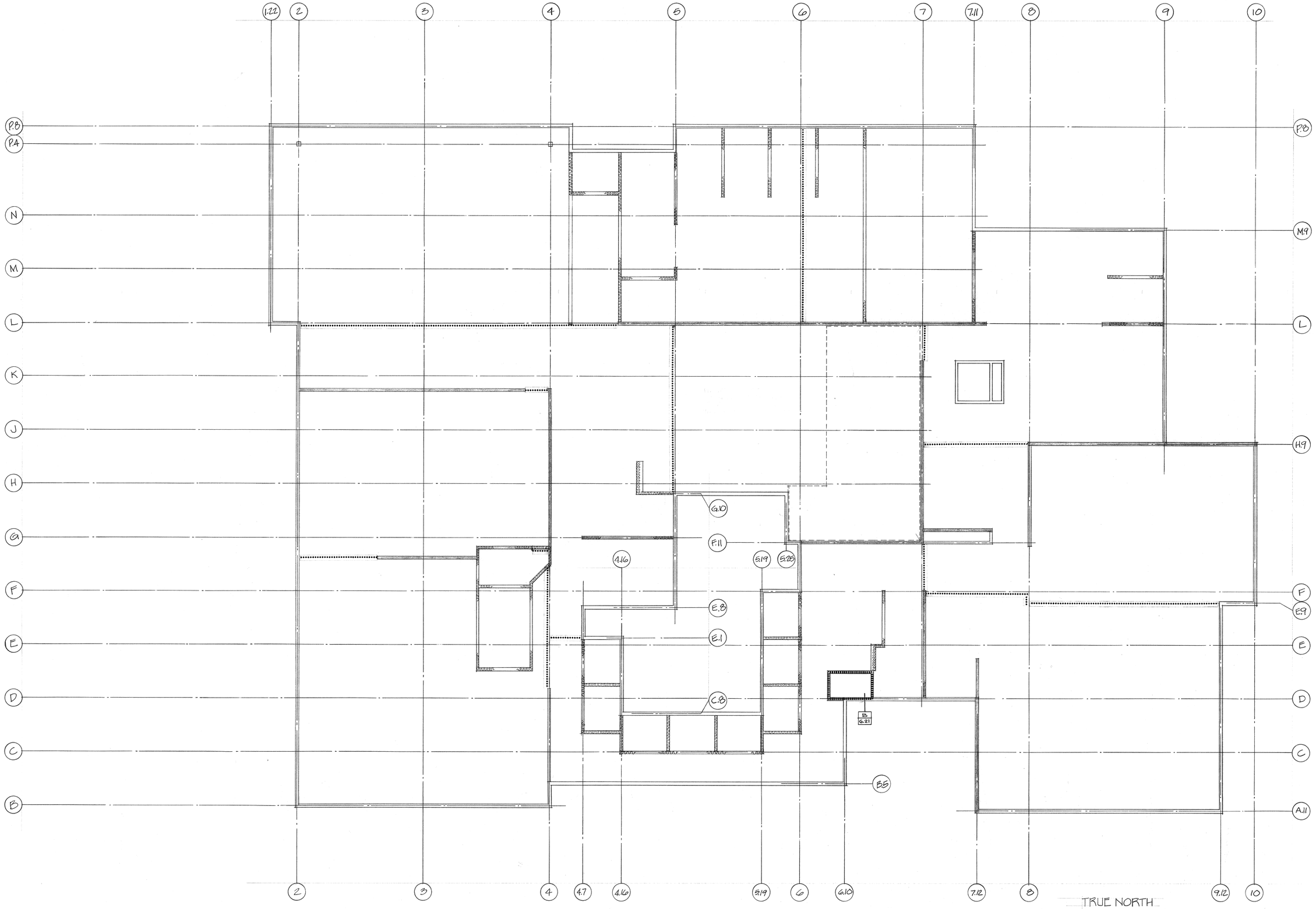
DSA 2.4 MC
SOUTHERN REGION

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, ARCHITECT J. E. GROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

FIRST FLOOR PARTITION KEY PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA

SHEET A2.4
OF
DATE 8-24-78
JOB No. 770-7/A



LEGEND: SHEAR WALL (VERIFY W/ STRL. DRWGS)

ATTIC SEPARATION - SEE C 6.21

SOUND RETARDANT WALLS - SEE A-B 6.16

SECOND FLOOR PARTITION KEY PLAN 1/8" = 1'-0"

NOTE: THIS PLAN IS SCHEMATIC. REFER TO ARCH. PLANS & STRUCT. DRAWINGS FOR EXACT LOCATION OF PARTITIONS AND EXTENT OF SHEAR WALLS.

AS BUILT

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

42256

AUG 27 '79

FOR Jg. Mechanics

PRINCIPAL STRUCTURAL ENGINEER

APPROVED
FOR ARCHITECTURAL ONLY
AUG 24 1979
JOHN C
STATE OF CALIFORNIA
NORTHERN REGION

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA . J. S. NANCE, ARCHITECT . J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

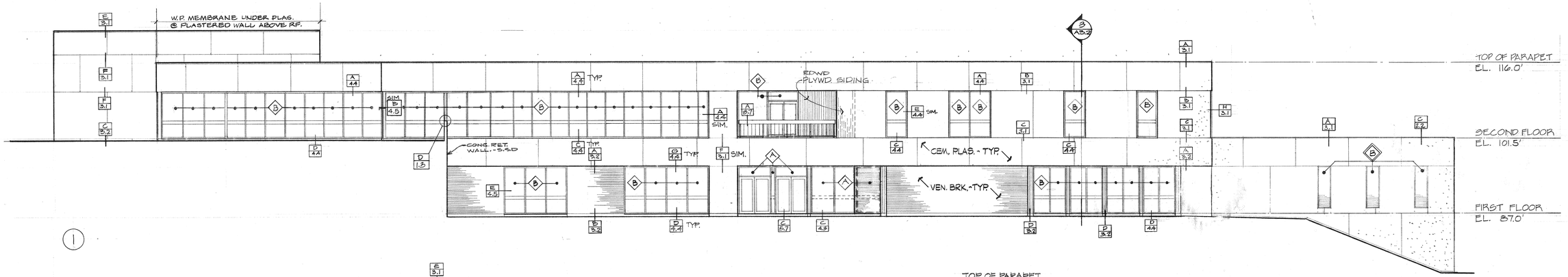
SECOND FLOOR PARTITION KEY PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

SHEET A2.5 OF

DATE 8-24-79

JOB No. 770-71A



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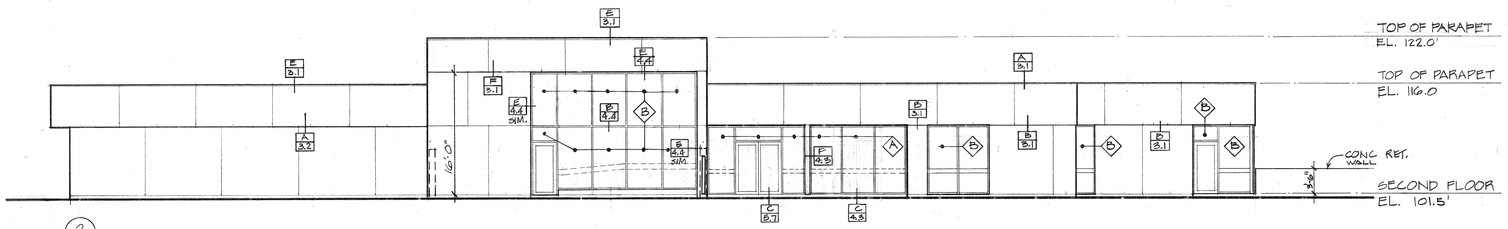

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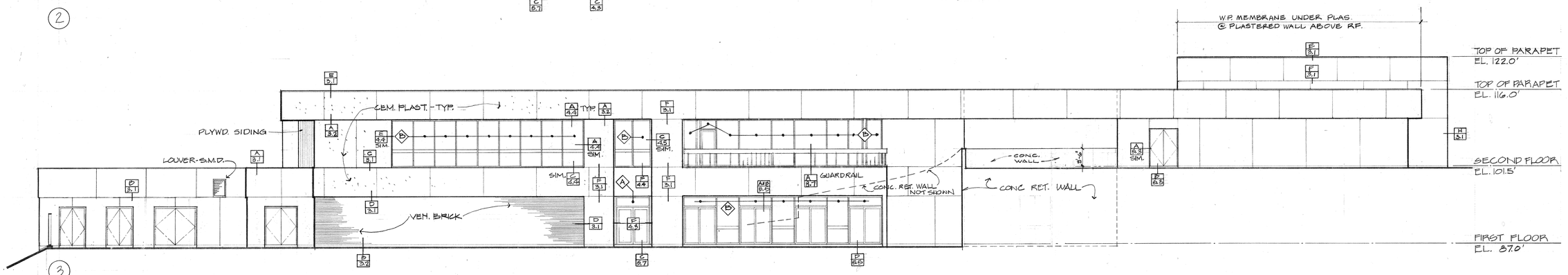

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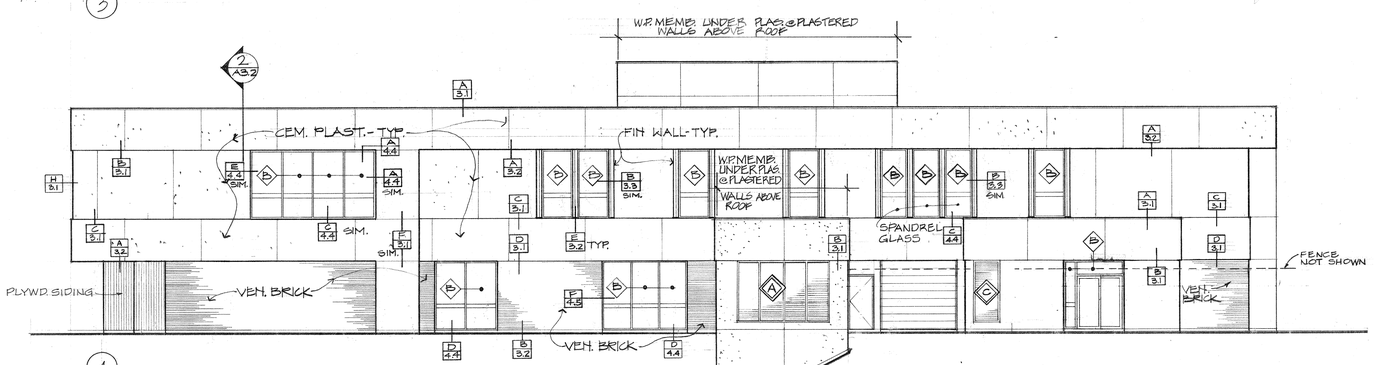

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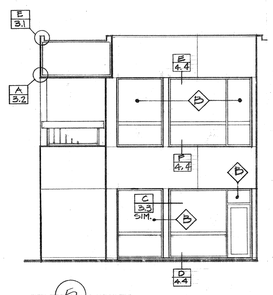

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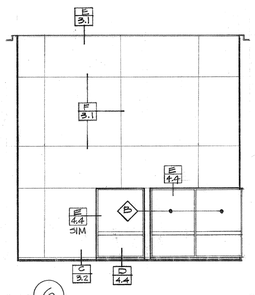

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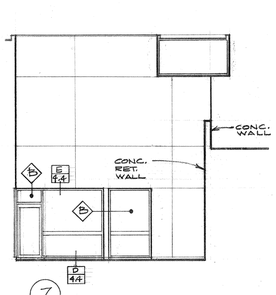

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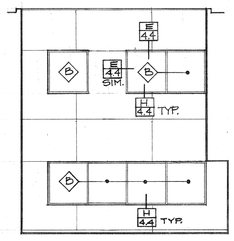

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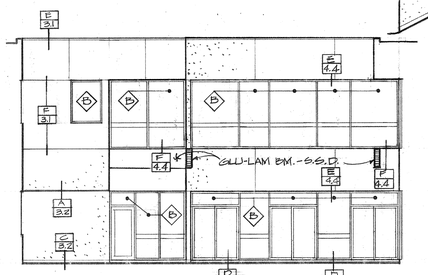

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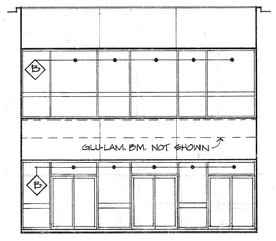

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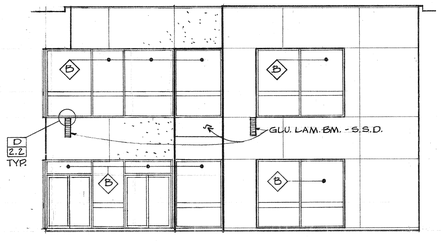

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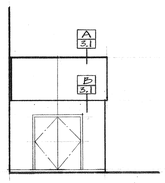

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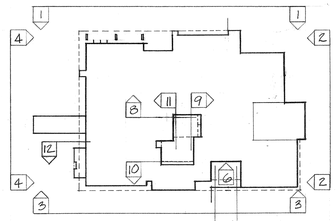


KEY PLAN NO SCALE

EXTERIOR ELEVATIONS 1/8" = 1'-0"

ALL EXTERIOR WALLS FINISHED W/ CEM. PLAS. UNLESS OTHERWISE NOTED.

AS BUILT

ARCHITECTS: COMETTA AND CIANFICHI, 3516 MACDONALD AVENUE, RICHMOND, CALIF. 232-2637; CONFER & CROSSEN, 1200 CONTRA COSTA BLVD., CONCORD, CALIF. 686-7292; E. A. COMETTA, CONTRA COSTA ARCHITECT; J. S. CROSSEN, ARCHITECT; P. D. CIANFICHI, ARCHITECT

STRUCT. ENGINEER: ASSOCIATED ARCHITECTURAL FIRMS

CONSULT. ENGINEER: P. W. CONYER

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION

APPROVED FOR CONSTRUCTION ONLY

APR 27 '79

42256

JOHN LAUTNER ARCH.

PROJECT ARCHITECT

APPROVED FOR CONSTRUCTION ONLY

APR 27 '79

APPLIED ARTS & ADMINISTRATION COMPLEX

CCCCD

CONTRA COSTA COLLEGE

SAN PABLO

CALIFORNIA

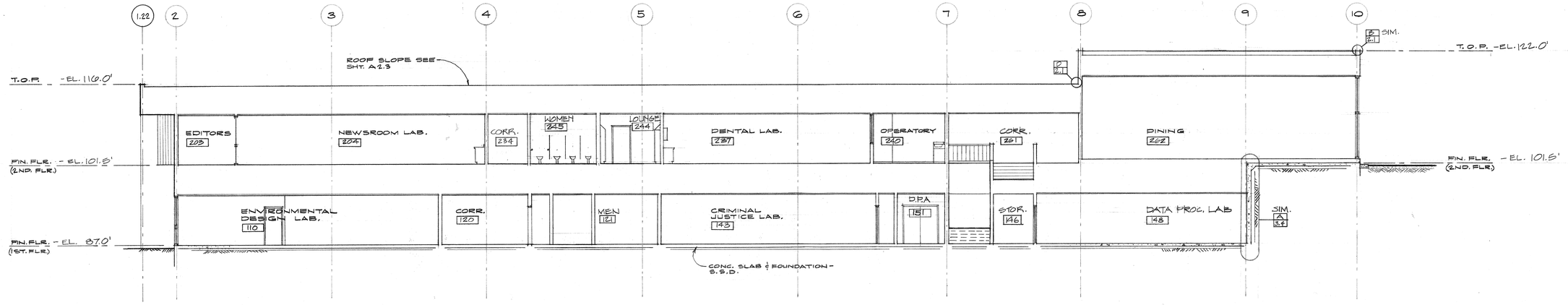
EXTERIOR ELEVATIONS

SHEET A3.1

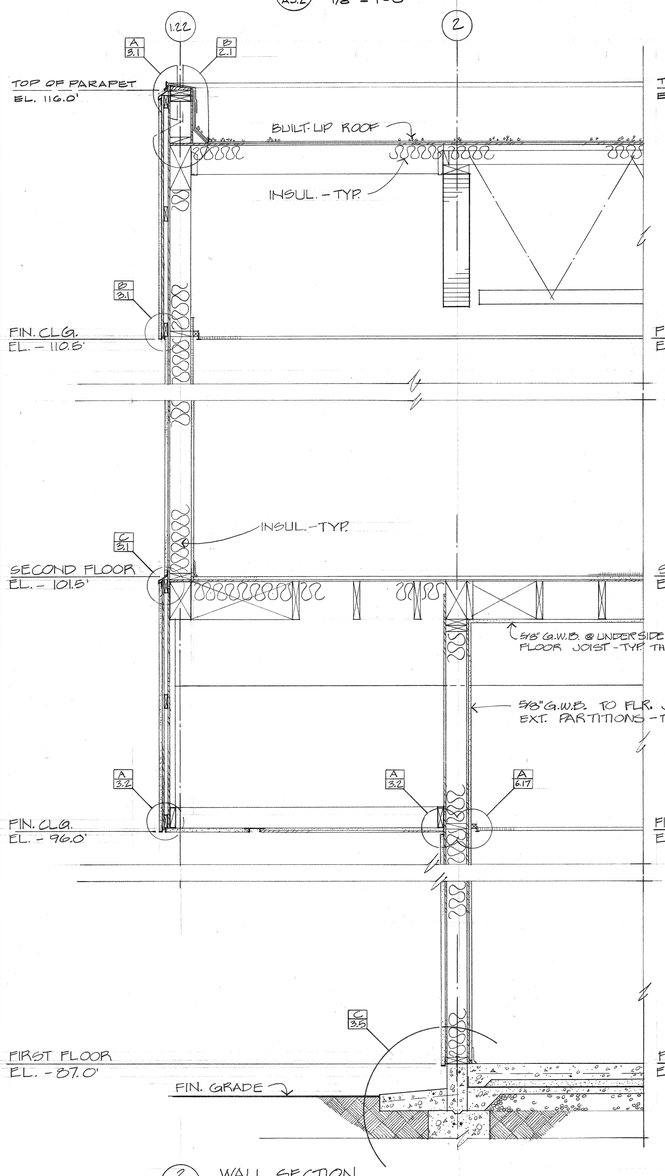
OF

DATE 8-24-79

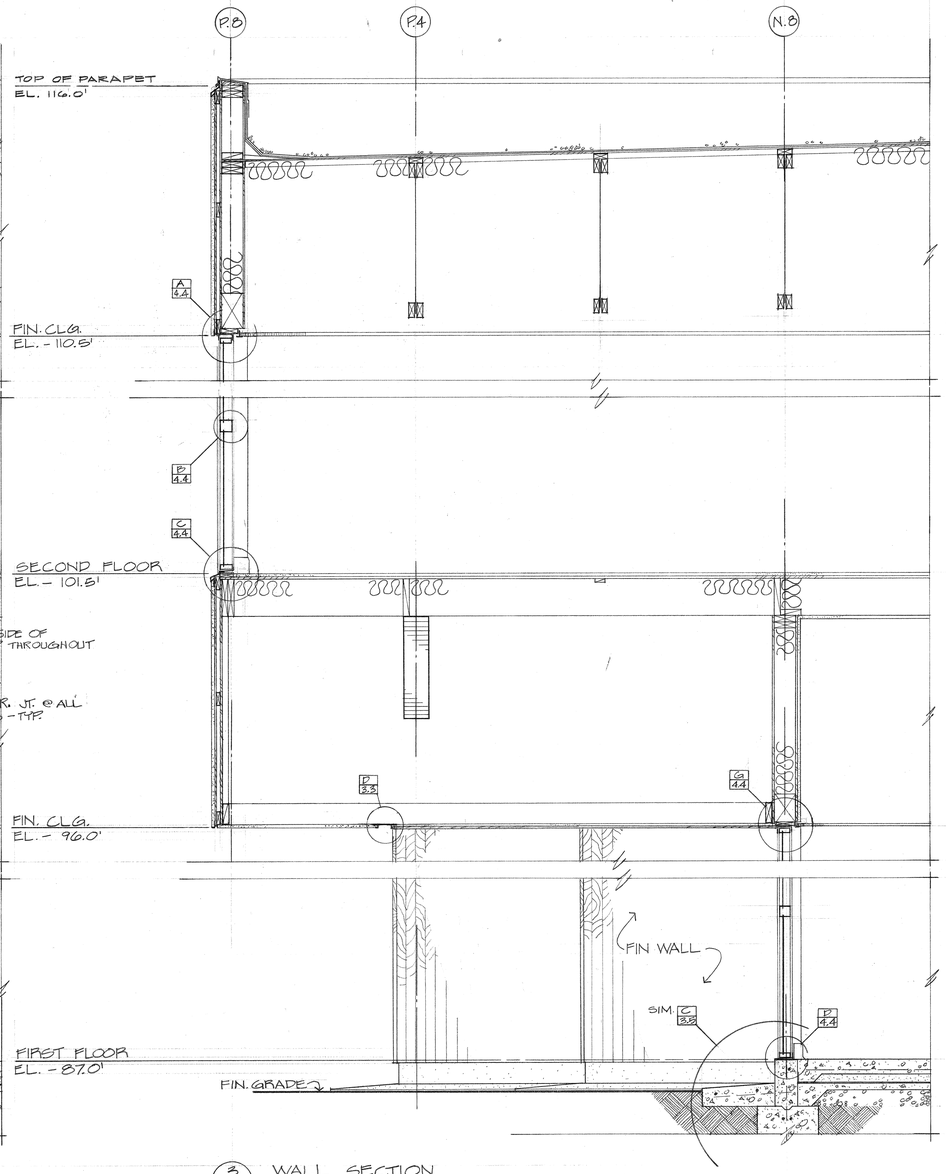
JOB No. 770-71A



1 A3.2 BUILDING SECTION
1/8" = 1'-0"



2 A3.2 WALL SECTION
3/4" = 1'-0"



3 A3.2 WALL SECTION
3/4" = 1'-0"

AS BUILT

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42256
AUG 27 79
APPLICATION NO.
FOR
PROFESSIONAL ENGINEER

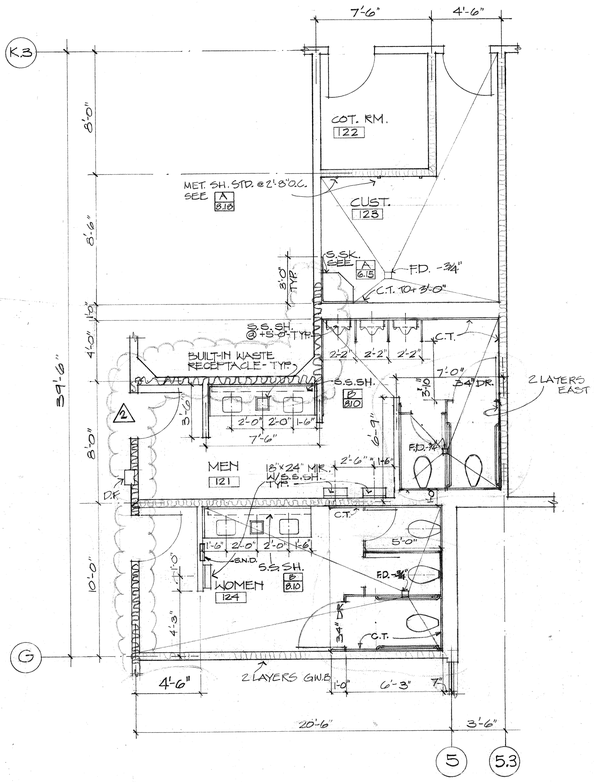
FIRE AND PANIC ONLY
AUG 24 1979
STATE FIRE MARSHAL
NORTHERN REGION

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, J. S. NANCE, ARCHITECT, J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT, ASSOCIATED ARCHITECTURAL FIRMS, P. W. CONFER

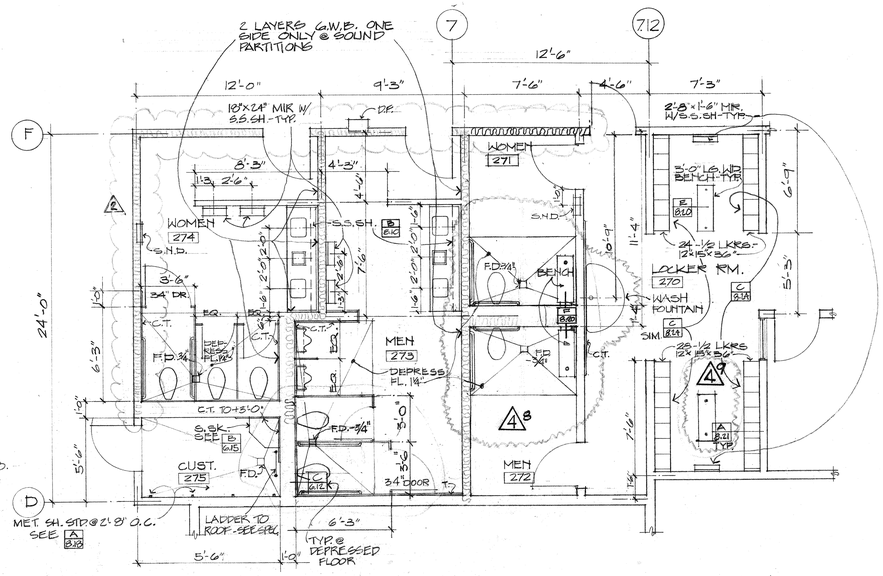
BUILDING SECTION

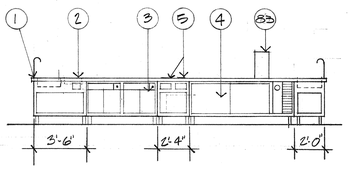
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

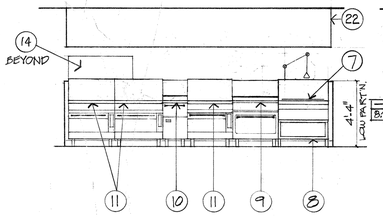
SHEET A3.2
OF
DATE 8-24-79
JOB No. 770-71A

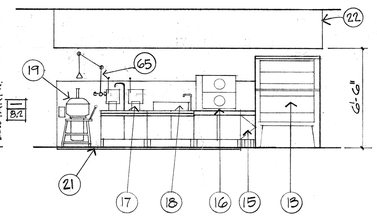


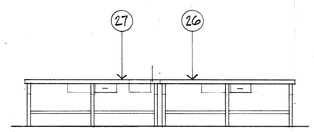
1 / A4.1 PLAN- TOILETS FIRST FLOOR

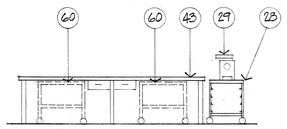

F
D
7
7.12
24'-0"
12'-6"
12'-0"
9'-3"
7'-6"
4'-6"
7'-3"
2 LAYERS G.W.B. ONE SIDE ONLY @ SOUND PARTITIONS
18"x24" MIR W/ S.S.SH. TYP.
DR.
2'-8"x1'-6" MIR. W/S.S.SH. TYP.
WOMEN
271
WOMEN
274
S.N.D.
8'-3"
4'-3"
2'-6"
4'-3"
S.S.SH.
B 8.10
3'-6" 3'-4" DR.
E.R.
C.T.
F.D.-3/4"
DEP. FL. 1/4"
6'-3"
7'-6"
2'-0"
2'-0"
1'-6"
1'-6"
C.T. TO +3'-0"
S.SK. SEE B 6.15
F.D.-3/4"
CUST. 275
F.D.
C.T.
DRTR.
5'-6"
1'-6"
MEN
273
DEPRESS. FL. 1/4"
F.D.-3/4"
3'-4" DOOR
MEN
272
F.D.-3/4"
BENCH
S.N.D.
1'-0"
6'-9"
11'-4"
5'-3"
5'-6"
7'-6"
1'-6"
5'-3"
2'-6"
2'-0"
2'-0"
1'-6"
5'-6"
1'-6"
5'-6"
1'-6"
5'-6

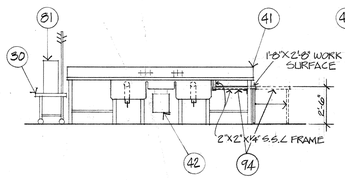


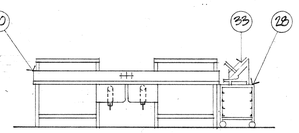


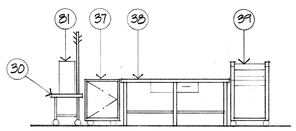


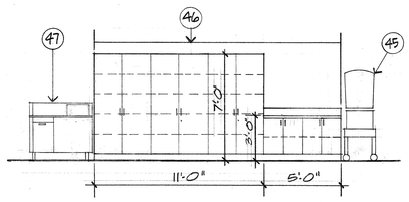


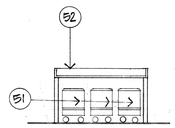


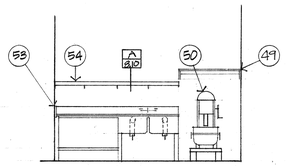


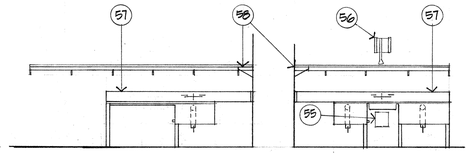


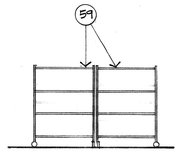


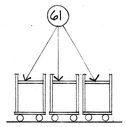


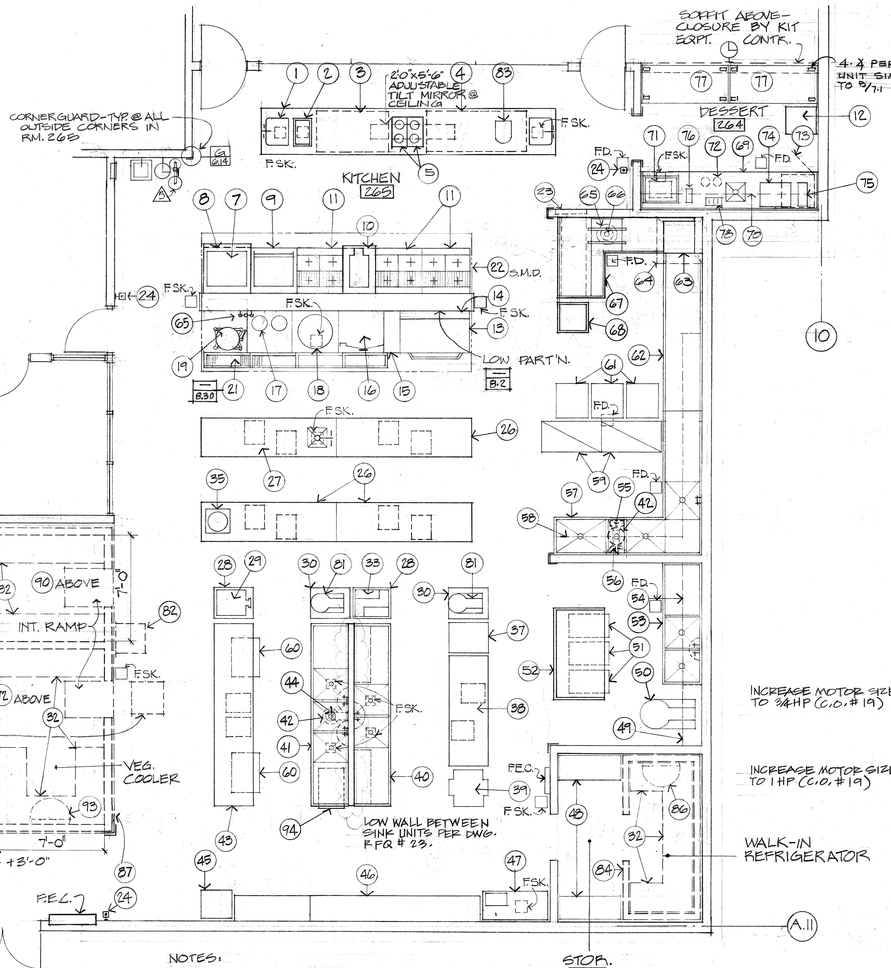


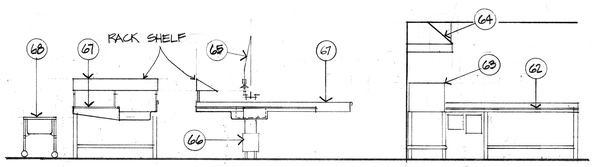


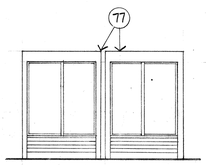


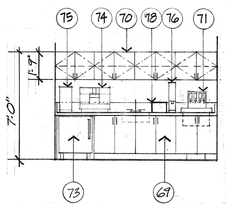


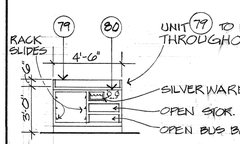












NOTE: SEE SHT. A2.2 & A5.1, RM. 262 FOR LOCATION.

PLAN - KITCHEN - RM. 265

LEGEND:
==== PRE-FAB PANELS (SEE SPEC'S.)

NOTES:
1. SEE SCHEDULE THIS SHT. FOR ITEMS TO BE PROVIDED IN BASE BID AND UNDER ALT. # 9

CULINARY ARTS - PLAN & INT. ELEVATIONS

SCALE: ¼" = 1'-0"

FOOD SERVICE EQUIPMENT SCHEDULE

NO.	QTY.	DESCRIPTION	MANUFACTURER	MODEL #	REMARKS	BASE BID	ALT. #9
1	1	DEMONSTRATION TABLE W/SINK	CUSTOM FAB.				
2	1	FOOD WARMER, BUILT IN	G.E.	CF701			
3	1	WARMING CABINET, BUILT IN	FRANKLIN	1522 P			
4	1	REFRIGERATOR	TRAULSEN	ALT-W-2-32-WSC			
5	2	HOT PLATE UNIT, BUILT IN	G.E.	CH721			
6							
7	1	BROILER	VULCAN - HART	IM7806			
8	1	BROILER STAND	CUSTOM FAB.				
9	1	GRIDDLE WITH OVEN BASE	VULCAN-HART	VR-5			
10	1	DEEP FAT FRYER	VULCAN-HART	VF-1			
11	3	HOT TOP/OPEN BURNER RANGE, OVEN BASE	VULCAN-HART	17872 A/ 17845 X	MODEL MODIFIED		
12	1	ICE BIN, MOBILE	SHELLEY	1C-200			
13	1	OVEN-THREE DECKS, COMBINATION	MONTAGUE CO.	32C-2			
14	1	FILLER PIECE	CUSTOM FAB				
15	1	SPACER UNIT	MARKET FORGE	M-12			
16	1	STEAM COMPARTMENT COOKER	MARKET FORGE	MF 2A6C			
17	1	TWIN TWENTY QT. TRUNNION KETTLE	MARKET FORGE	MT-2-5E			
18	1	FORTY GALLON TILTING KETTLE	MARKET FORGE	MT-40			
19	1	VERTICAL CUTTER-MIXER	HOBART	VCM-25			
20							
21	1 LOT	DRAIN TROUGH COVER AND LINING	CUSTOM FAB		SEE DET. 5/8.2		
22	1	EXHAUST VENTILATOR	CUSTOM FAB		S.M.D., DET. 3/8.2		
23	1	PLUMBING AND CONTROLS HOUSING	GAYLORD INDUST.	GPE-100A			
24	3	FIRE PUSH BUTTON UNIT	GAYLORD INDUST.	C-1397			
25							
26	3	WORK TABLE	CUSTOM FAB.				
27	1	WORK TABLE WITH SINK	CUSTOM FAB.				
28	2	LOW TABLE, MOBILE	AMF ST-2630				
29	1	MEAT GRINDER	HOBART CO.	4812			
30	2	LOW TABLE, MOBILE	AMF MT-3026				
31							
32		REFRIGERATOR SHELVING, MOBILE	METRO. WIRE GOODS				
33	1	FOOD SLICER	HOBART	1712			
34	1	FREEZER SHELVING, MOBILE	METRO. WIRE GOODS				
35	1	BLENDER, 1 GALLON	WARING PROD.	CB-6			
36							
37	1	PROOF BOX	CRESCENT	H-133-UA9			
38	1	WORK TABLE WITH DRAWERS	CUSTOM FAB.				
39	1	DOUGH SHEETER, MOBILE	ANETSBERGER BROS.	MDR-65			
40	1	SINK UNIT W/UPPER AND LOWER SH.	CUSTOM FAB.				
41	1	SINK UNIT	CUSTOM FAB				
42	2	GARBAGE GRINDER	IN-SINK-ERATOR	SS150-7			
43	1	WORK TABLE	CUSTOM FAB				
44	1	RETRACTABLE HOSE ON REEL	T&S BRASS & BRONZE	B1403	CEILING MTD.		
45	1	RECEIVING SCALE, MOBILE	HOBART CO	7112			
46	1 LOT	STORAGE CABINET UNIT	CUSTOM FAB.		ANCHORAGE AS PER DET. SHEET A7		
47	1	ICE FLAKE MAKER W/STOR. BIN	SCOTSMAN	SF2WS 966			
48	1 LOT	FOUR-TIERED WIRE SHELVING	METRO WIRE GOODS				
49	1	WALL SHELF W/UTENSIL RACK	SOUTHERN EQPT. CO.	PRWS-4S			
50	1	MIXER - 60 QT.	HOBART CO.	H-600-T			
51	3	INGREDIENT BIN, MOBILE	SECO CO.	47-150			
52	1	WORK TABLE, WOOD TOP	CUSTOM FAB.				
53	1	SINK UNIT W/LOWER SHELF	CUSTOM FAB.				
54	1	WALL SHELF	CUSTOM FAB.		SEE DET. A/8.2		
55	1	WATER CIRCULATING PUMP	STERO	SM 2P			
56	1	RETRACTABLE HOSE ON REEL	T&S BRASS & BRONZE	B1403	WALL MTD.		
57	1	POT WASHING SINK	CUSTOM FAB.				
58	1	WALL SHELF "L" SHAPE	CUSTOM FAB.		SEE DET. A/8.2		
59	2	POT AND UTENSIL RACK, MOBILE	METRO. WIRE GOODS	N246-5M			
60	2	DISH DOLLY	AMF	PDDO-20			
61	3	CUP AND GLASS DISPENSER, MOBILE	AMF	36 2020			
62	1	CLEAN WARE TABLE	CUSTOM FAB.				
63	1	DISHWASHING MACHINE	STERO	SDRA			
64	1	CONDENSATE HOOD	CUSTOM FAB.		SEE DET. SHT. 8.2?		
65	2	SPRAY-RINSE UNIT	T&S BRASS & BRONZE	B-134			
66	1	GARBAGE GRINDER	IN-SINK-ERATOR	SS-300-7			
67	1	SOILED WARE TABLE	CUSTOM FAB.				
68	1	SOAK SINK, MOBILE	SOUTHERN EQPT. CO.	PS-32S			
69	1	SERVICE COUNTER W/SINK	CUSTOM FAB.				
70	1 LOT	WALL CABINET	CUSTOM FAB.				
71	1	CARBONATED BEVERAGE SYSTEM	BAR-O-MATIC	CB218 & 400-4/MR-1			
72		CO_2 BOTTLE AND SYRUP TANKS	BY OWNER				
73	1	REFRIGERATOR, UNDER COUNTER	CLARK EQPT. CO.	406-2H			
74	1	COFFEE MAKER W/HOT WATER DISP.	CORY	804-W			
75	1	HOT CHOCOLATE DISPENSER	NESTLÉ CO.	"M" SERIES 7			
76	1	ICE TEA DISPENSER	NESTLÉ CO.	Q			
77	2	REFRIGERATOR, PASS THRU	TRAULSEN CO.	AFD2-2G WPSC			
78	1	TOASTER	TOASTMASTER	1D3			
79	2	SERVICE COUNTER	CUSTOM FAB.		SEE A8.1, RM. 262		
80	4	COFFEE WARMER, BUILT IN	WELLS MFG. CORP.	MC	SEE A8.1, RM. 262		
81	2	MIXER, 20 QTS., BENCH TYPE	HOBART CO.	A-200T			
82	1	BUTCHER BLOCK, MOBILE	JOHN BOOS & CO.	14			
83	1	MIXER, 5 QTS.	HOBART	N 50			
84	1	WALK-IN REFRIGERATOR	BALLY	FN 50	SEE DET. SHT. 8.2?		
85	1	CONDENSING UNIT	"	FBAM 0500			
86	1	EVAPORATOR UNIT	"	BA 56			
87	1 LOT	REFRIGERATOR- FREEZER UNIT	"		SEE DET. SHT. 8.2?		
88	1	CONDENSING UNIT (FREEZER)	"	CBAL 0150			
89	1	EVAPORATOR UNIT (FREEZER)	"	BF 100A			
90	1	CONDENSING UNIT (C.F. COOLER)	"	CBAM 0100			
91	1	EVAPORATOR UNIT (C.F. COOLER)	"	BA-96			
92	1	CONDENSING UNIT (V. COOLER)	"	FBAM 0075			
93	1	EVAPORATOR UNIT (V. COOLER)	"	BA-72			
94	1	SLIDING WORK SURFACE	CUSTOM FAB.				

AS BUILT

A/ AS PER CHANGE ORDER 3/29/85

CIANFICHI AND CIANFICHI
510 MCDONALD AVENUE RICHMOND, CALIF. 233-2617
1300 CONTRA COSTA BLVD CONCORD, CALIF 686-2292
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ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

REGISTERED ARCHITECT
STATE OF CALIFORNIA
No. 4256
DATE 2-4-80

APPROVED FOR CONSTRUCTION ONLY
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CULINARY ARTS - PLAN & INT. ELEVS.

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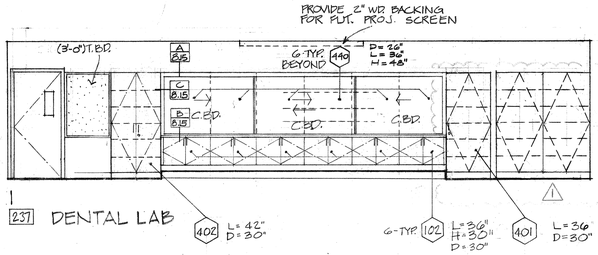
DATE 8-24-79
JOB No. 770-71A



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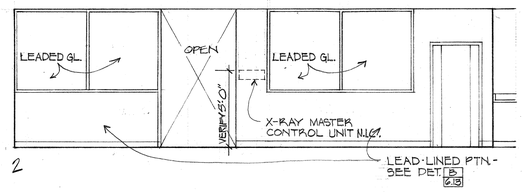
237 DENTAL LAB



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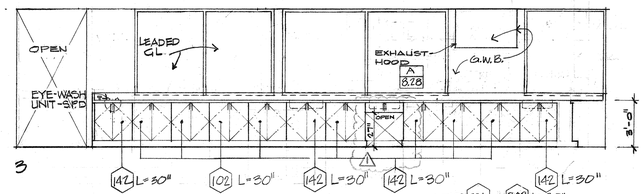

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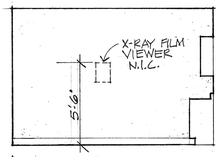
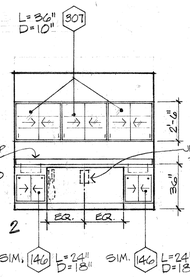


1
239 OPERATORY
240 SIMILAR, SEE PLAN



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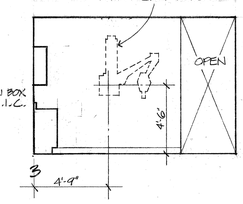

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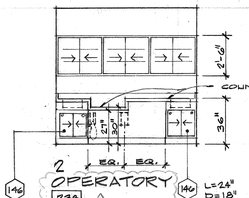

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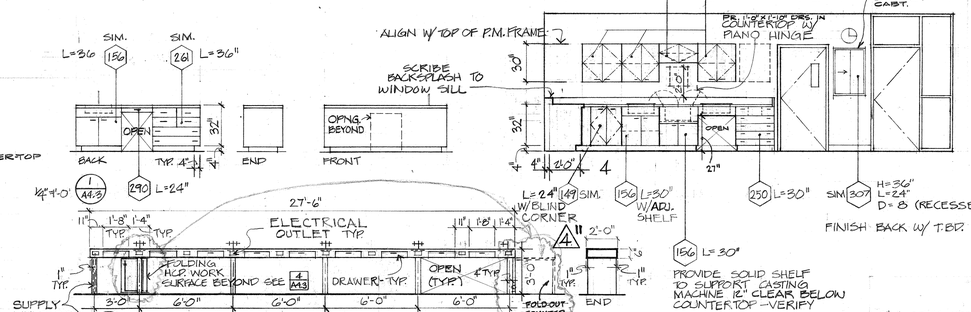
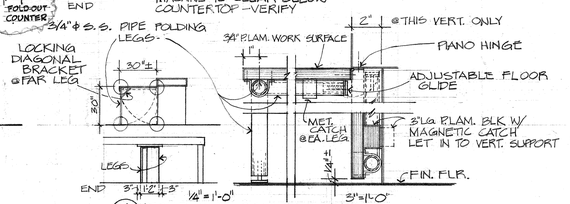
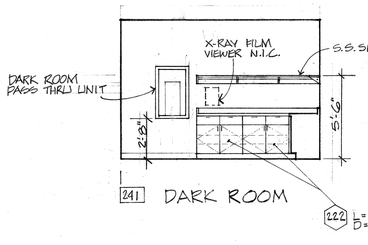
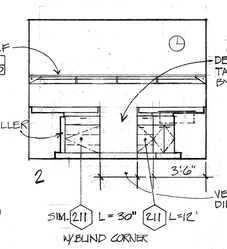




4 A4.5 FOLD-OUT COUNTER DET.



241 DARK ROOM



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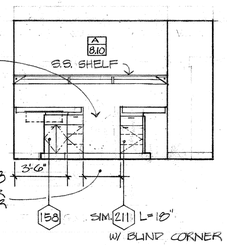

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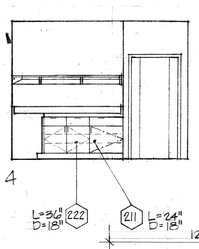

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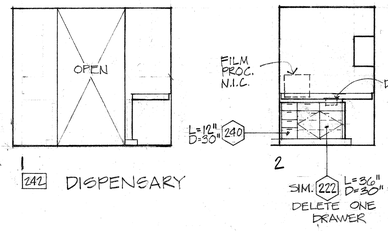
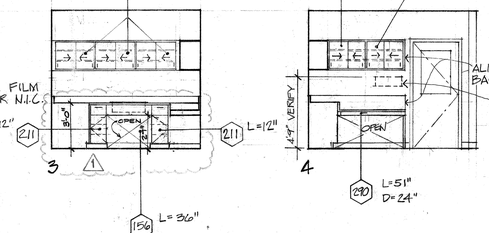


1
242 DISPENSARY

2



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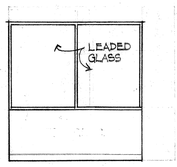
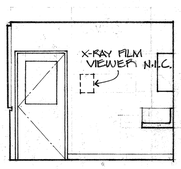


1
243 X-RAY



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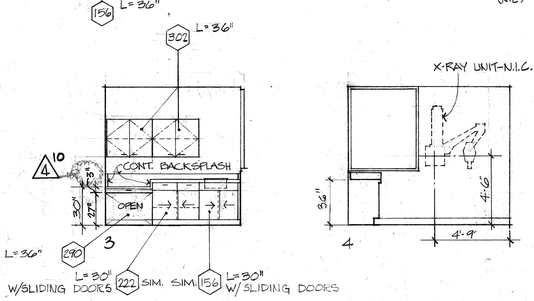

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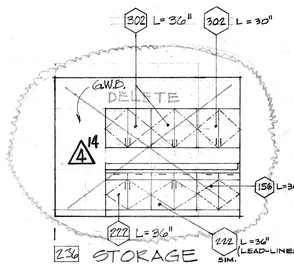
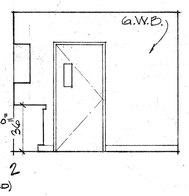


1
236 STORAGE



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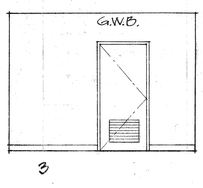

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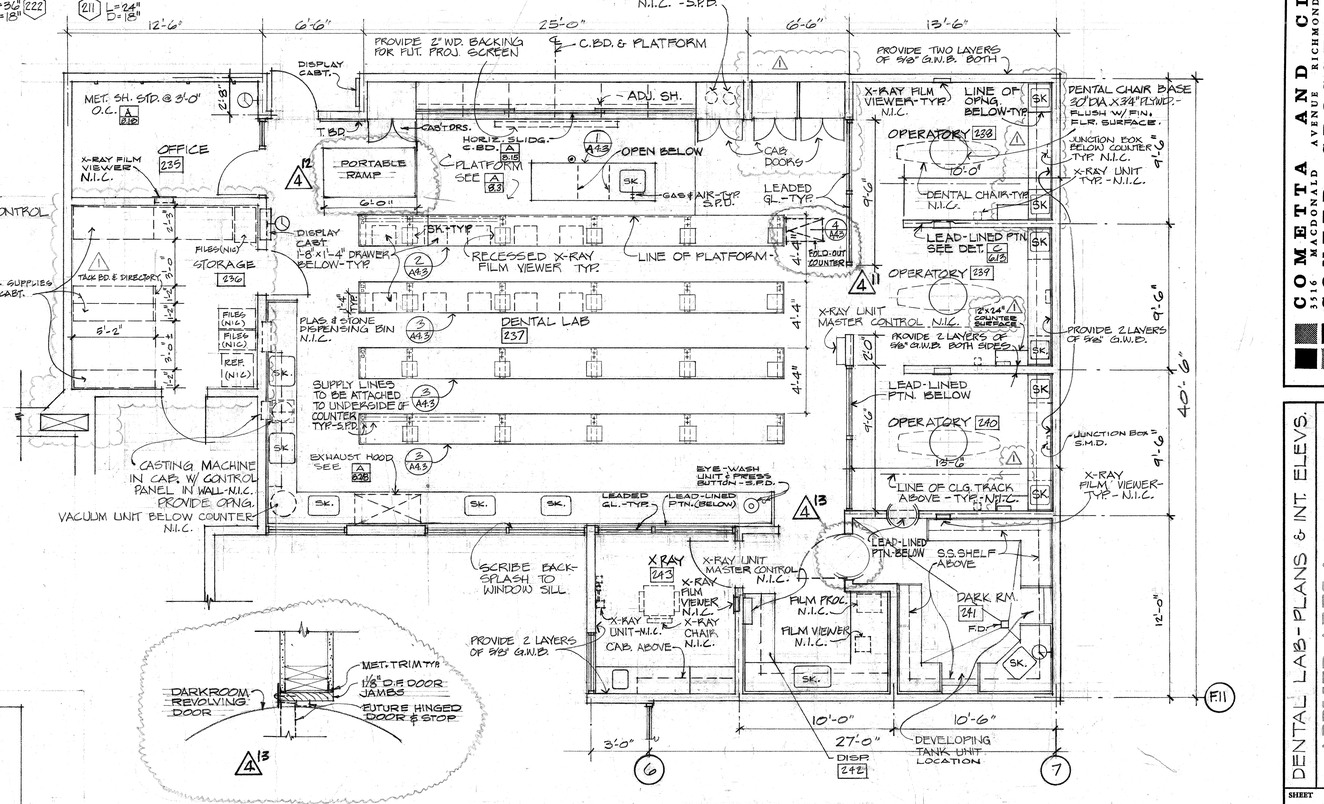


DENTAL LAB - PLAN & INTERIOR ELEVATIONS AS BUILT

SCALE: 1/4" = 1'-0"

NOTES:
1. SEE SHT. A6.1 FOR KEY PLAN TO ELEVATIONS.
2. PROVIDE BLKG. AND/OR ROUGH OPNG. FOR EQPT. ITEMS WHERE SHOWN N.I.C. VERIFY EQPT. SIZES & MOUNTING HEIGHTS W/ OWNER.
3. LEAD-LINED PARTITIONS TO HAVE 2#E"/SQ.FT. LEAD-LINED G.W.B SEE C 6/8

4 RFQ #33 - 10-23-81

NO.	DATE	REVISION
1	6-26-80	

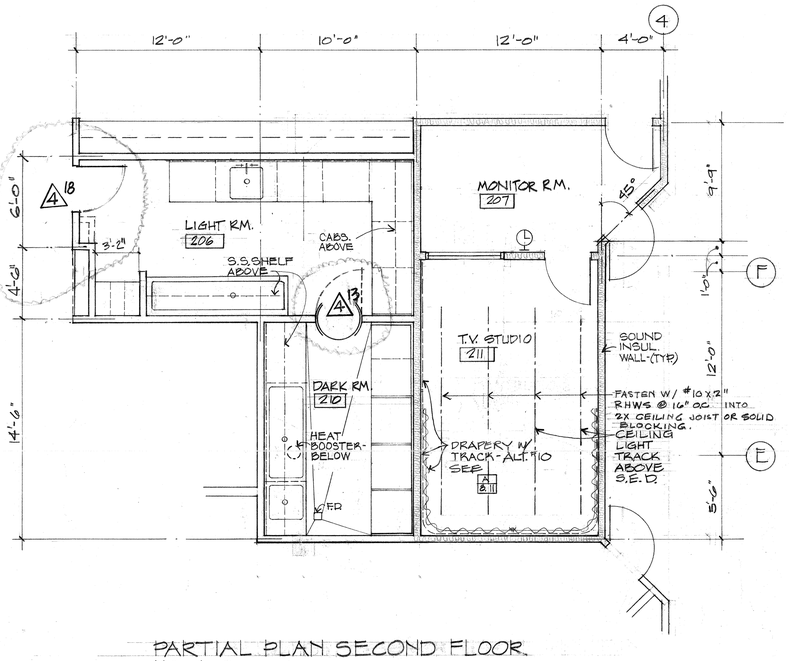
ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF DR. KEITH KNUTSEN STRUCTURAL SAFETY SECTION
402356
EXPIRATION DATE
APPROVED FOR CONSTRUCTION
Keith Knutsen M.D.
PROFESSIONAL ENGINEER

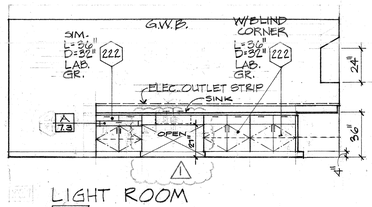
COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA P. D. CIANFICHI, ARCHITECT
J. E. CROSSEN, ARCHITECT J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS
P. W. CONFER

DENTAL LAB-PLANS & INT. ELEVS.
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE SAN PABLO
CCCCD CALIFORNIA

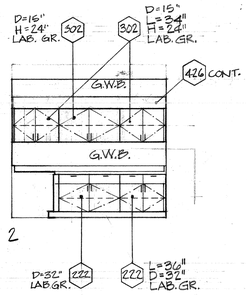
SHEET A4.3
OF
DATE 8-24-79
JOB No. 770-71A

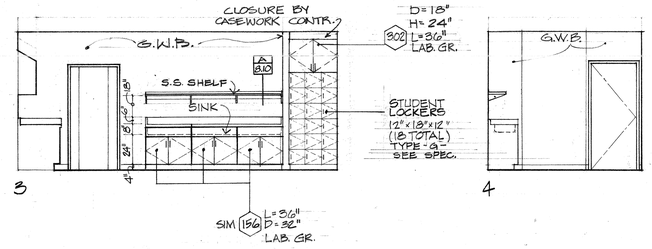


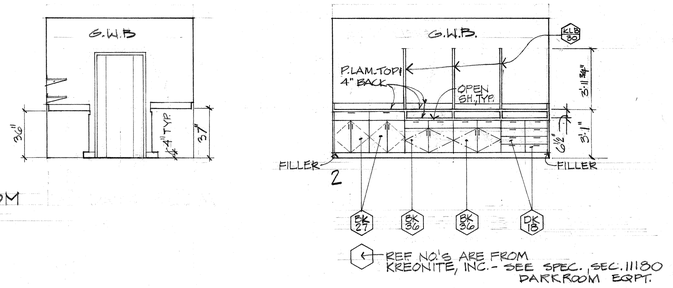
PARTIAL PLAN SECOND FLOOR
1/4" = 1'-0"



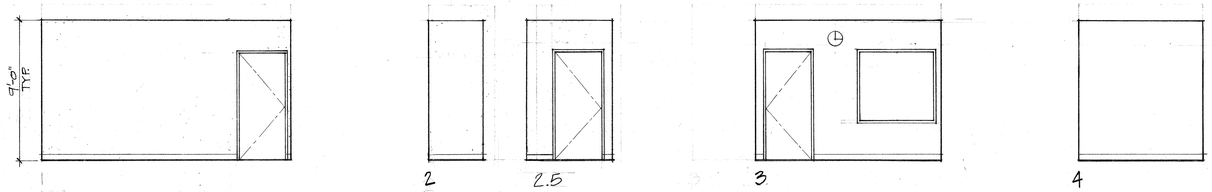
LIGHT ROOM
206



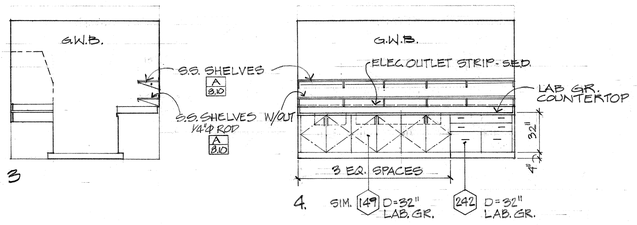


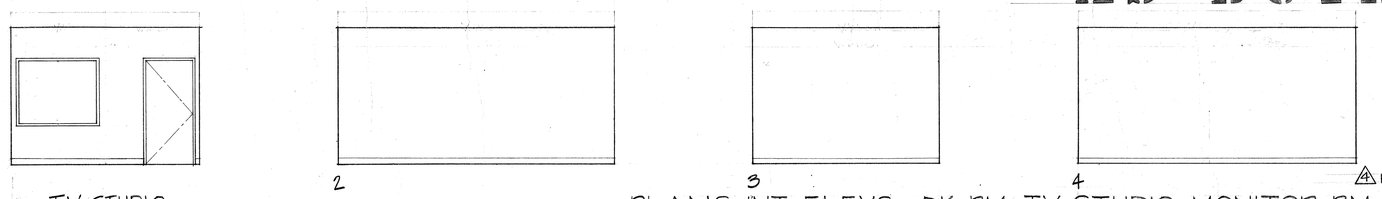


DARK ROOM
210



MONITOR RM.
207





T.V. STUDIO
211

AS BUILT

PLANS, INT. ELEVS. - DK. RM., T.V. STUDIO, MONITOR RM.
SCALE: 1/4" = 1'-0" RMS. 206, 207, 210, 211

4 RFQ# 33 10-23-81

1 6-26-80 REVISION

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

STATE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42256
AUG 27 '79
APPLICATION NO.
Per J.J. Meehan MAS
PROVIDING PERMANENT ENGINEER

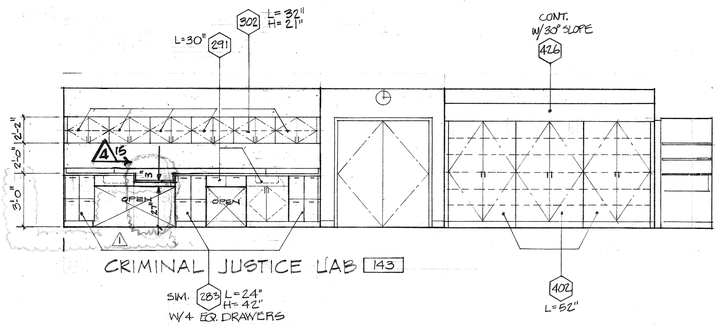
AUG 24 1979
STATE OF CALIFORNIA
MONITOR

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA · J. S. NANCE, ARCHITECT · J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

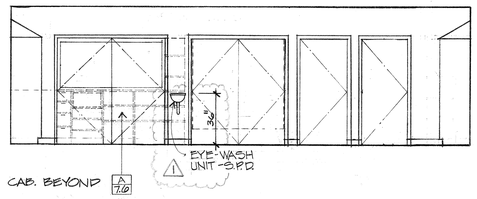
PLANS - DK. RM., T.V. STUDIO, MONITOR RM.

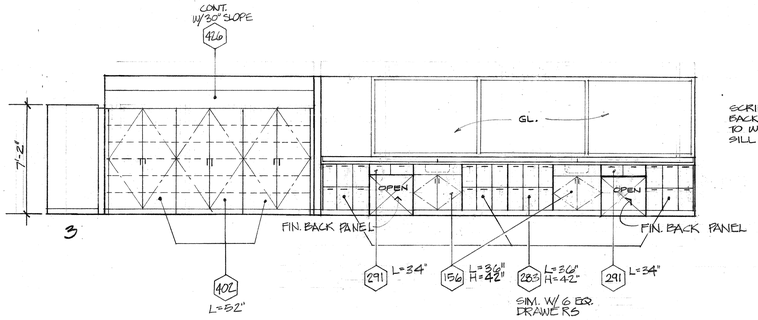
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
COCCD
CALIFORNIA

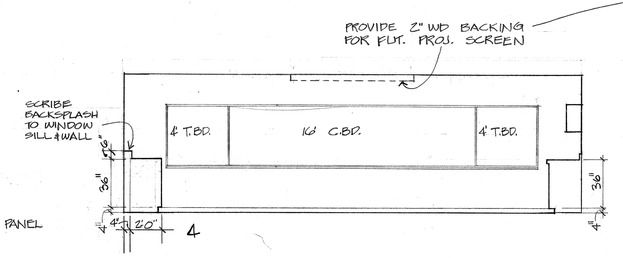
SHEET A4.4
OF
DATE 8-24-79
JOB No. 770-71A

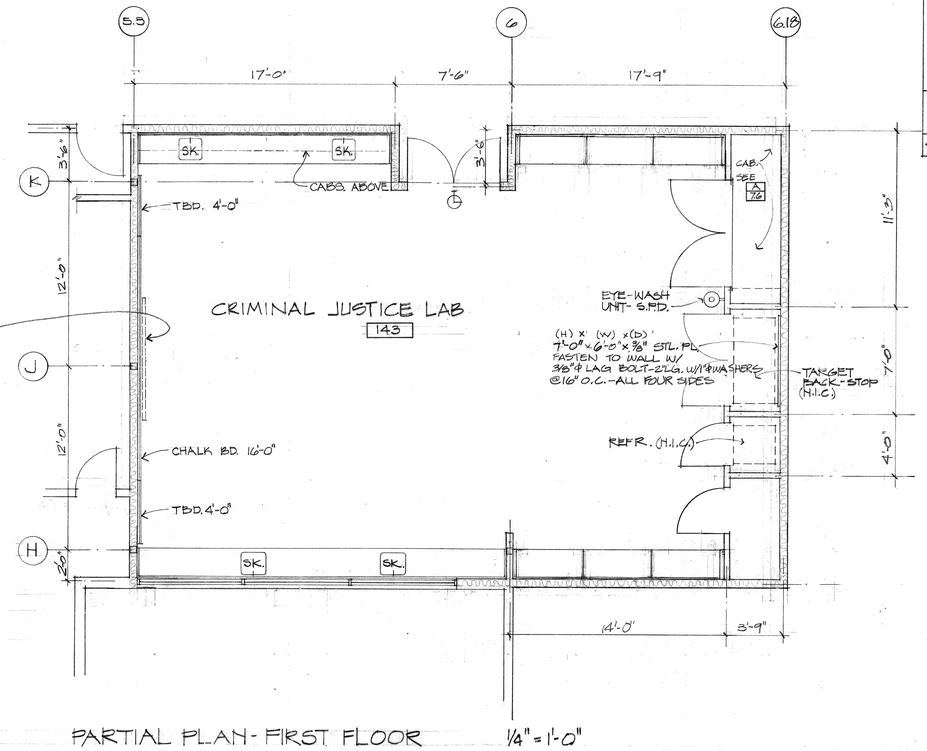


CRIMINAL JUSTICE LAB 143



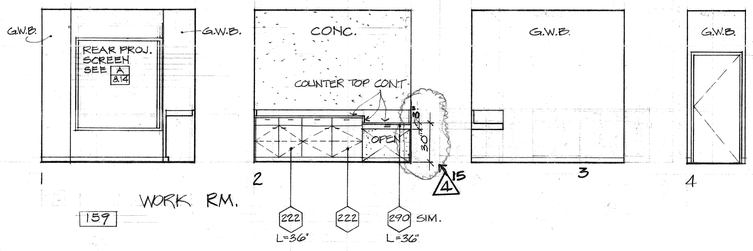




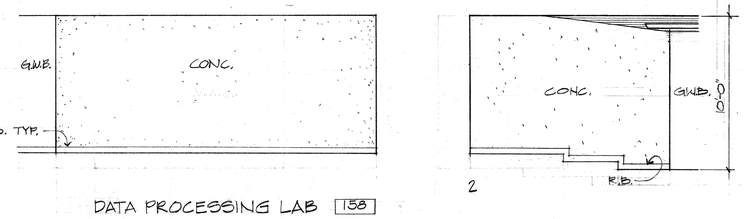


CRIMINAL JUSTICE LAB 143

PARTIAL PLAN- FIRST FLOOR 1/4" = 1'-0"

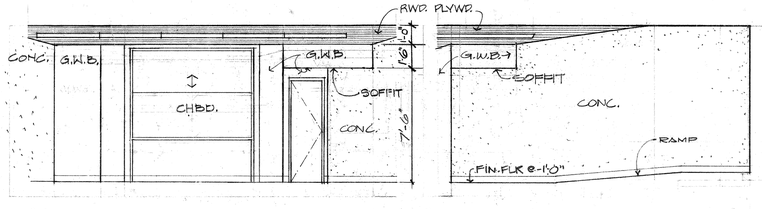


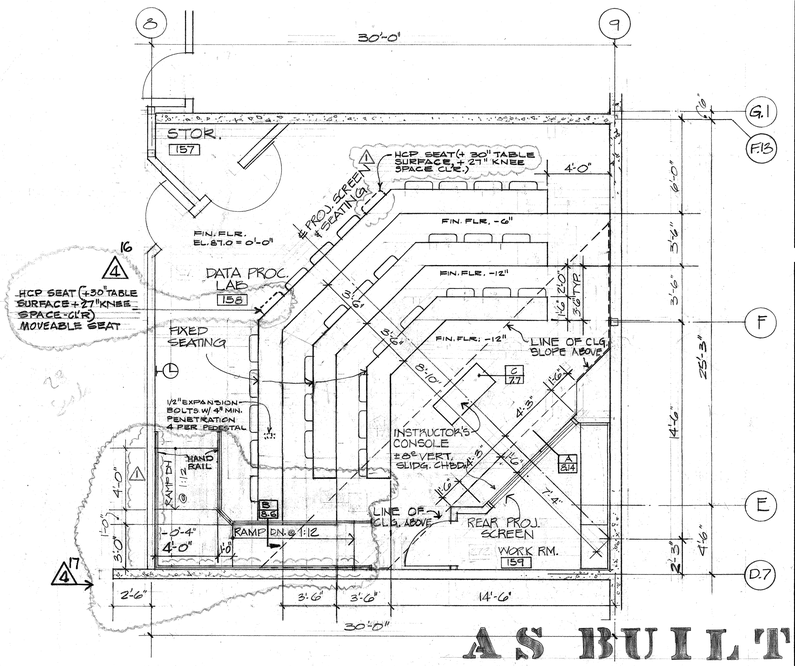
WORK RM. 157



DATA PROCESSING LAB 158

2





AS BUILT

PARTIAL PLAN- FIRST FLOOR 1/4" = 1'-0"

CRIMINAL JUSTICE & DATA PROCESSING LABS
PLANS & INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

4 RFQ #33 10-23-81

COMETTA AND CIANFICHI & CROSSEN CONFERENCE
3510 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA ARCHITECT J. S. NANCE ARCHITECT J. S. GROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

4	REVISION
	ARCHITECT
	STRUCT. ENGINEER
	CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
DATE 2/19/80
STRUCTURAL SAFETY ENGINEER

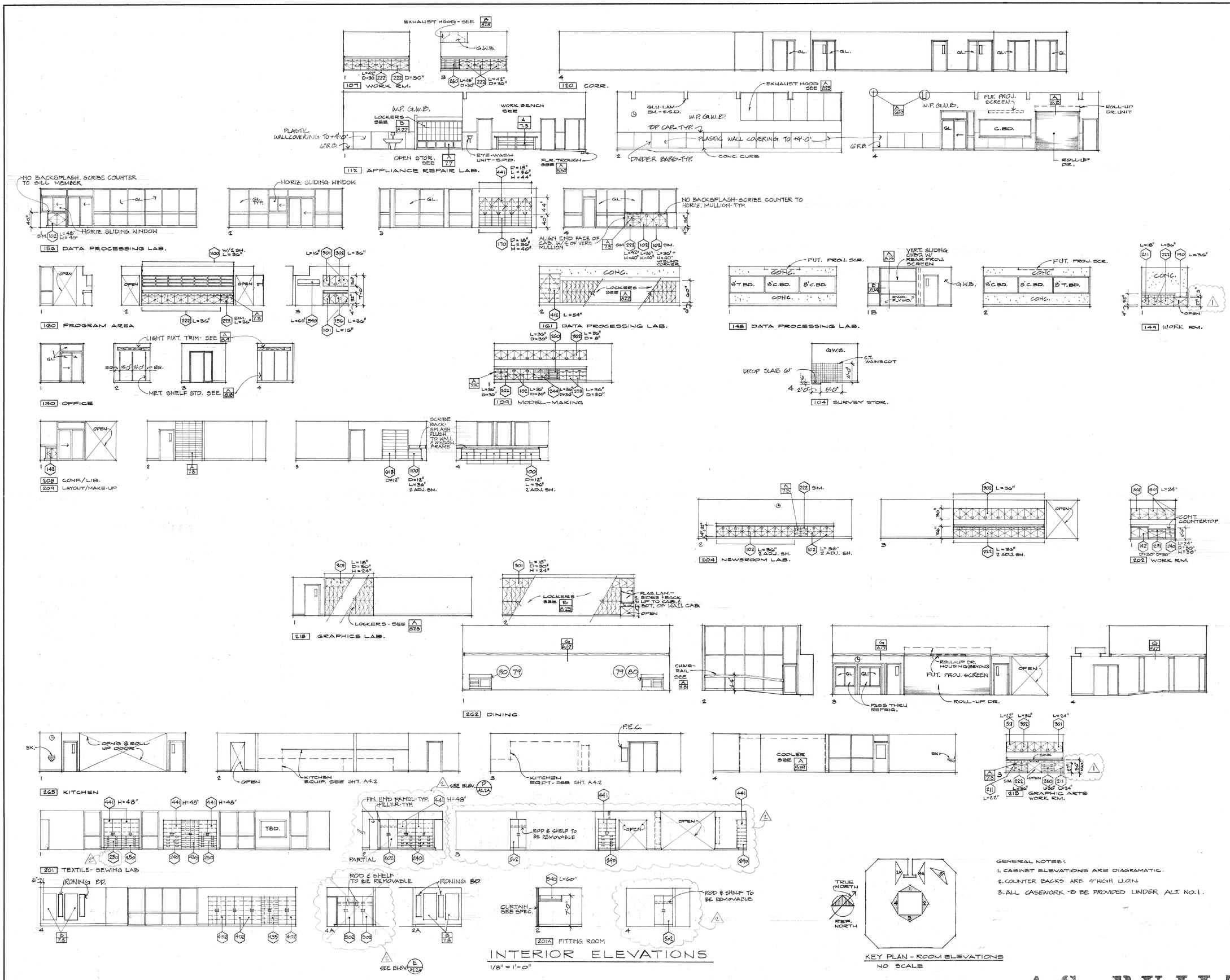
40256

No. 27179
Exp. 6-30-81
REGISTERED STRUCTURAL ENGINEER
JAMES A. MICHAEL PYLES

CRIMINAL JUSTICE & DATA PROCESSING LABS
PLANS & INTERIOR ELEVATIONS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CONTRA COSTA COUNTY
CALIFORNIA

SHEET A4.5
OF
DATE 8-24-79
JOB No. 770-71A



ROOM NO.

107
120
112
156
160
161
148
149
104
130
109
208
209
204
202
213
262
215
265
201
201A

NO.	REVISION	DATE
1		6-11-80
2		8-26-80

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

STRUCTURAL SAFETY SECTION
AUG 27 79
Per
DIVISION OF THE STATE ARCHITECT
42836

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2657
CONFER, CROSSEN & ASSOCIATES
1700 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, ARCHITECT J. S. MACA, ARCHITECT J. S. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS P. W. CONVER

INTERIOR ELEVATIONS
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

SHEET A5.1
OF
DATE 8-24-79
JOB No. 770-71A

WORK RM. 103
SURVEY STOR. 104
OFF. 105
OFF. 106
VEST. 118
ENTRY LOBBY 119
LAB 140
LAB 141
CONT. SOFFIT VENT
CONT. SOFFIT VENT
ENGINEERING LAB. 102
MODEL-MAKING 109
WORK RM. 107
VEST. 108
ENVIRONMENTAL DESIGN LAB. 110
BOILER RM. 101
OPEN
AIR HANDLING EQPT. - S.M.D.
TOOL RM. 113
STOR. 114
PAINT BOOTH 115
OFF. 116
STOR. 117
CONT. VENT
SUSP. OVERHEAD PLUG-MOLD S.E.D. @ +7'-0"
EXHAUST HOOD
GLU-LAM BM. - S.S.D.
APPLIANCE REPAIR LAB. 112
STAIR NO. 1
SUSP. FIXTURES
G.W.B. CLG. HGT. + 11'-0"
SMOKE EXHAUST-S.M.D.
COT RM. 122
CUST. 123
MEN 121
WOMEN 124
CONF. 125
CRIMINAL JUSTICE LAB. 143
CUST. STOR. 149
OPEN
OFF. 111
CORR. 120
ELEC. 128
OFF. 154
OFF. 155
D.P.A. 152
CORR. 134
TEL. 121
OFF. 127
OFF. 126
OFF. 129
OFF. 131
OFF. 130
OFF. 132
OFF. 135
OFF. 139
CORR. 142
CORR. 144
ELEV. MACHINE RM. 145
STOR. 146
G.W.B. CLG. @ +10'-0"
ELEV.
WORK RM. 149
DATA PROC'G. LAB. 148
OPEN
STAIR NO. 2
D.P.A. 150
STOR. 147
DATA PROC'G. LAB. 158
WORK RM. 159
G.W.B. SOFFIT @ +7'-5" ABOVE FIN. FLR. @ +1'-0"
DATA PROC'G. LAB. 161
DATA PROC'G LAB. 156
D.P.A. 151
D.P.A. 153
CORR. 135
OPEN
PROGRAM AREA 160
CORR. 134

LEGEND:

- 2'x2' ACOUSTIC BD.
- 1'x1' ACOUSTIC TILE
- 2'x4' ACOUSTIC BD.
- PLASTER
- GYP. BD. -(U.O.N.)
- RDWD. PLYWD.
- LIGHT FIXTURE (RECESSED-U.O.N.)
- EXIT SIGN (WALL MOUNT) (CLG. MOUNT)
- MECH. SUPPLY REGISTER - S.M.D.
- MECH. RETURN REGISTER - S.M.D.

GENERAL NOTES:

1. CEILING HEIGHTS ARE 9'-0" (U.O.N.).
2. ACCESS PANEL LOCATIONS (WHERE REQUIRED) TO BE APPROVED BY ARCHITECT.
3. PLYWD. PANELS TO HAVE BUTT JOINTS.

REFLECTED CLG. PLAN - FIRST FLOOR

1/8" = 1'-0"

TRUE NORTH

REF. NORTH

AS BUILT

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
NOV 27 '79
By Yp. Maskaw/mc
APPLICATION NO.
432556

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, ARCHITECT J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

REFLECTED CLG. PLAN - FIRST FLOOR

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

SHEET A6.1
OF
DATE 8-24-79
JOB No. 770-71A

REVISED PARTIAL REFLECTED CEILING PLAN
SEE SHEET A2.2A

OFF. 219
LOCKERS 230
WORK RM. 202
TOILET 216
PRESIDENT 217
CONF. 218
CONT. SOFFIT VENT
OFF. 220
SUPPORT STAFF 224
OFF. 221
OFF 222
OFF. 223
LAB 225
LAB 226
STAFF 227
OFF. 228
OFF. 229
CORR. 231
ENTRY LOBBY 232
VEST. 233
CORR. 261
TEXTILE - SEWING LAB. 201
FITTING ROOM 201A
EDITORS 203
NEWSROOM LAB. 204
CONT. SOFFIT VENT
LIGHT RM. 206
OFFICE 205
CONF/LIB. 208
DARK RM. 210
STOR. 212
VEST. 214
GRAPHIC ARTS WORK RM. 215
STAIR NO.1
SUSP. FLUOR. FIXTURE SEE SHT. A7.1
CEILING LIGHT TRACK - TYP. (N.I.C.) PROVIDE BLK'G.
STAIR NO.2
SUSP. FLUOR. FIXTURE SEE SHT. A7.1
SUSP. FRAME SUPPORT SEE A 6.4
SUSP. FRAME - BOT. @ + 12'-0"
FLUOR. FIXTURE
DINING 262
DOWN-LIGHT TYP.
WAITING 269
WALL REGISTER (TYP.) (4)
PROJ. SCREEN
CLG. HGT. @ +10'-0"
SOFFIT @ + 9'-0"
DESSERT 264
ROLL-UP DR. HOUSING
CLG. HGT. +9'-0"
CLG. HGT. +11'-0"
MIRROR
EXHAUST HOOD - S.N.D.
CONDENSATE HOOD - A 8.7
KITCHEN 265
DENTAL LAB. 237
OPERATORY 238
OPERATORY 239
OPERATORY 240
DARK RM. 241
DISR 242
X-RAY 243
CORR. 260
OFF. 235
STOR. 236
LOUNGE 244
STAIR NO.1
WOMEN 245
VEST. 245A
CONF. 246
OPEN
MONITOR 207
TV STUDIO 211
CORR. 234
OFF. 256
OFF. 255
CORR. 259
ROOF HATCH
CUST. 275
WOMEN 274
MEN 273
MEN 272
WOMEN 271
CORR. 258
TELE. 255
LOCKER RM. 270
VEST. 269
OFF. 268
OPEN
CUST. 267
WALK-IN REFR./ FREEZER
ACCESS DR.
CLG. MTD. HOSE REEL - SEE A4.2
STOR. 266
WALK-IN REFR.
CONT. SOFFIT VENT
SM. E 5.3
GRAPHICS LAB. 213
OFF. 250
OFF. 248
OFF. 247
ELEC. 249
OFF. 251
OFF. 252
OFF. 254
CORR. 257

REFLECTED CLG. PLAN - SECOND FLOOR 1/8" = 1'-0"

TRUE NORTH
REF. NORTH

AS BUILT

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

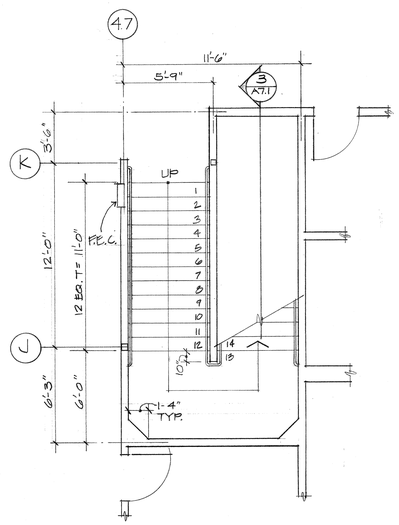
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
42654
DATE 27 78
By [illegible]
APPLICATION NO.
DATE AUG 2 1978
BY JMC

COMETTA AND CIANFICHI
3316 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA J. S. NANCE, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

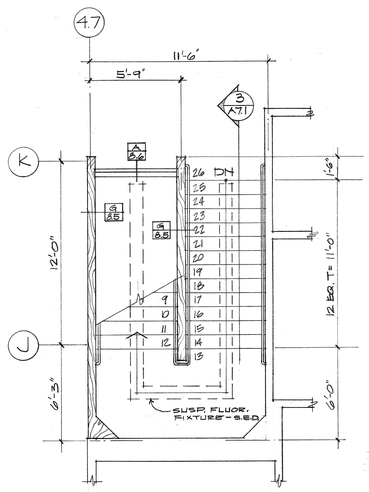
REFLECTED CLG. PLAN - SECOND FLOOR

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
COUNTY OF CONTRA COSTA
CALIFORNIA

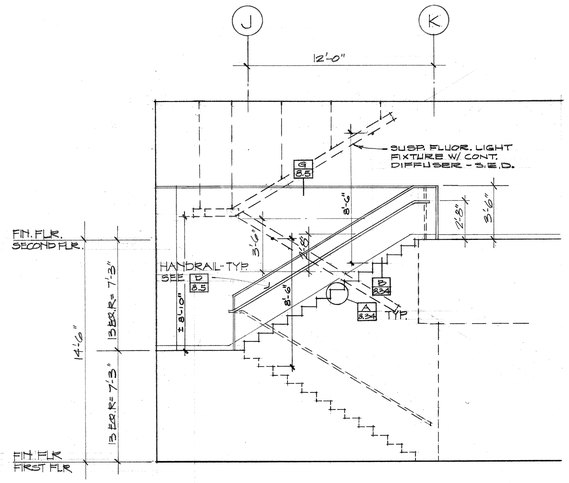
SHEET A6.2
OF
DATE 8-24-79
JOB No. 770-71A



1 A7.1 STAIR #1
FIRST FLOOR PLAN

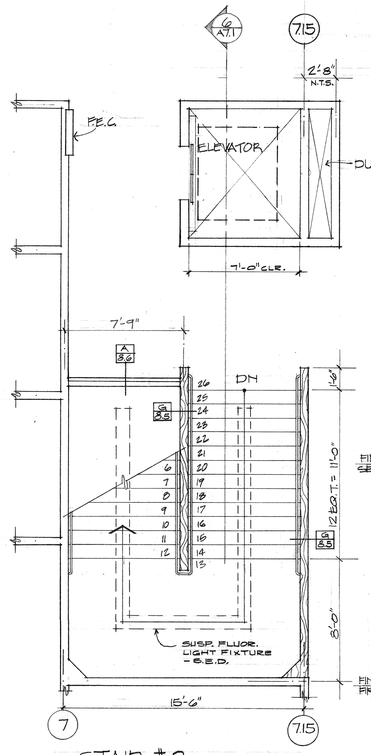


2 A7.1 STAIR #1
SECOND FLOOR PLAN



3 A7.1 STAIR #1
SECTION

4 A7.1 STAIR #2
FIRST FLOOR PLAN



5 A7.1 STAIR #2
SECOND FLOOR PLAN

6 A7.1 STAIR #2
SECTION

STAIR PLANS & SECTIONS 1/4" = 1'-0"

AS BUILT

1	6-26-80 REVISION

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42256
RECEIVED
SEP 24 1979
BY

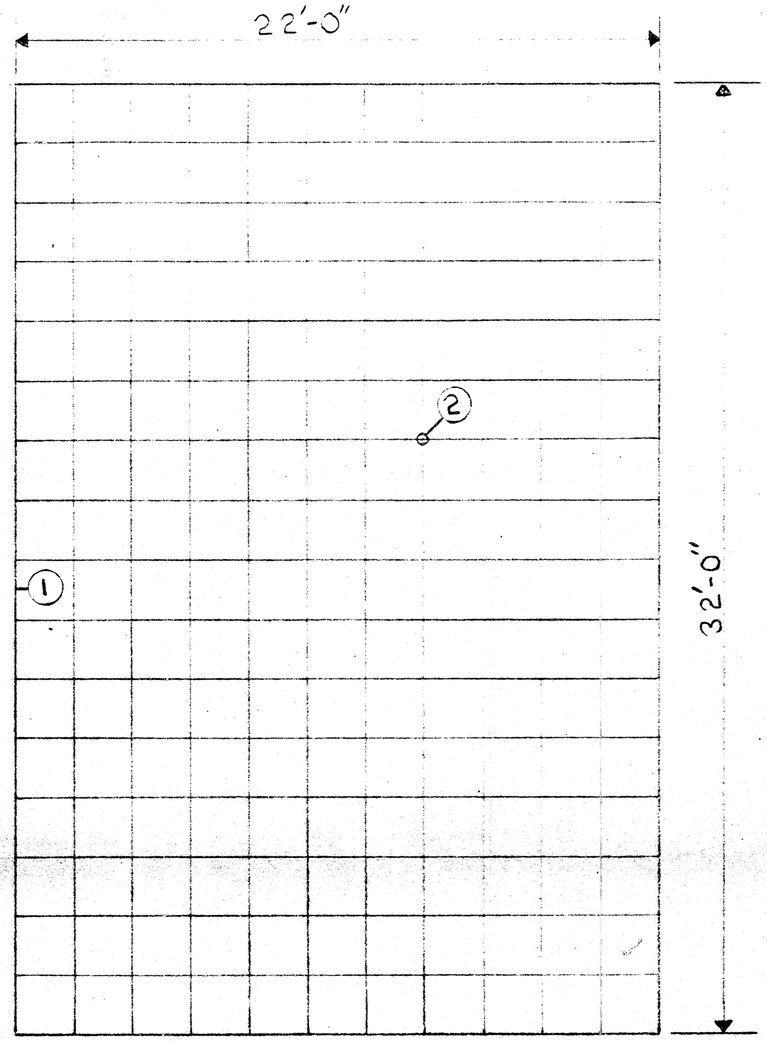
APPLICATION APPROVED
SEP 27 79
By W. Mathews Insp.
DSA 1A-1 (8/77)

COMETTA AND GIANFICHI
1516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONNER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-6292
E. A. COMETTA, COST ARCHITECT J. S. NANCE, ARCHITECT J. E. CROSSEN, ARCHITECT
P. D. GIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

STAIRS - PLANS & SECTIONS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA

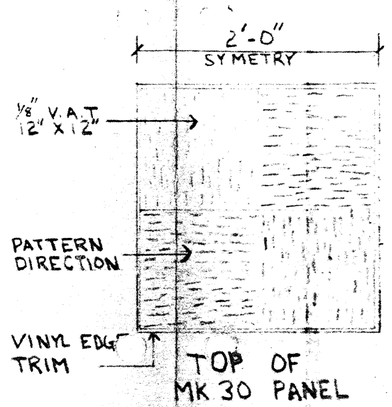
SHEET A7.1
OF
DATE 8-24-79
JOB No. 770-71A

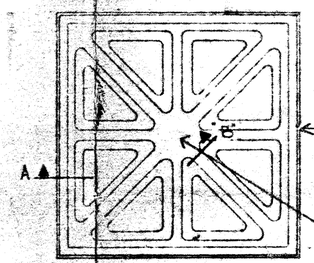


OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

42256 APPROVED JUL 23 '82

APPLICATION NO. BY [signature]
PRINCIPAL STRUCTURAL ENGINEER



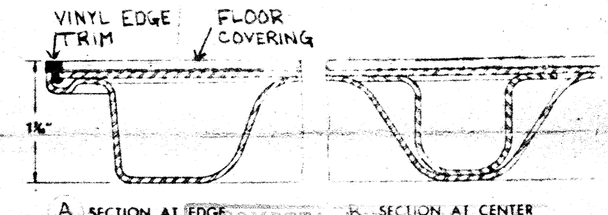


MK 30 PANEL

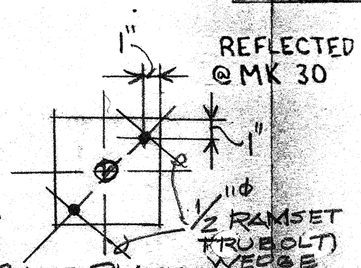
IDENTIFICATION NUMBER LOCATION

GENERAL NOTES

1. FLOOR SYSTEM TO SUPPORT A LIVE LOAD OF 300LBS./FT.²
2. FLOOR SYSTEM TO SUPPORT A CONCENTRATED LOAD OF 1250LBS.
3. ALL STANDARD ELAFLOR PANELS TO BE MARK 30 NO GRID SYSTEM
4. NOMINAL HEIGHT OF ELAFLOR SYSTEM TO BE 12 INCHES FROM EXISTING SUB-FLOOR TO TOP SURFACE OF ELAFLOR PANEL.
5. CLEARANCE BENEATH ELAFLOR UNDERSTRUCTURE TO BE 10.5 INCHES.
6. PEDESTALS TO BE SECURED TO SUB-FLOOR WITH STD. INCO #782 ADHESIVE & 1/2"ϕ WEDGE ANCHORS
7. ELAFLOR PANELS TO BE FACTORY-SURFACED WITH 1/8 X 12 X 12 VINYL ASBESTOS TILE AS MANUFACTURED BY IN COLOR AS SELECTED (MATCHING FINISH SCHED)
8. ELAFLOR PANEL EDGE TRIM COLOR TO BE BLACK OR BROWN
9. CABLE CUT-OUTS TO BE MADE BY PSI AS EXTRA ; QUANTITY UNKNOWN
10. FLOOR REGISTERS TO BE FURNISHED BY PSI AS EXTRA; INSTALLED BY PSI AS EXTRA QUANTITY UNKNOWN SIZE UNKNOWN
11. PARTITION SPECIALTIES, INC. TO FURNISH 2 PANEL LIFTING DEVICES.
12. THE FINISHED FLOOR SURFACE SHALL BE SMOOTH AND LEVEL CONSISTENT WITH THE BEST STANDARDS OF GOOD COMMERCIAL PRACTICE.
13. ALL PERIMETER PANELS WILL BE FIELD CUT TO CONFORM WITH SITE CONDITIONS.
14. 4" TOP SET COVE BASE BY OTHERS COLOR AS REQUIRED
15. PSI TO PROVIDE (2) TWO MK 30 PANELS FOR CUSTOMER STORAGE
16. PSI TO PROVIDE STENCIL MARKING ON EACH PANEL 1" HT. AS SHOWN ON DRAWINGS

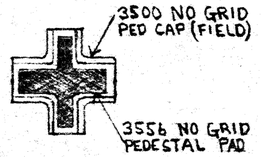


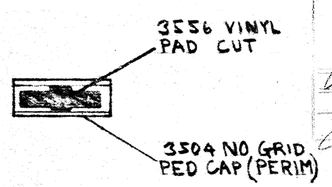
PARTIAL FLOOR PLAN GROUND FLOOR AREA
LISKEY MK30 NO GRID SYSTEM 12" FIN. FLR. HT. 1/4" = 1'-0"

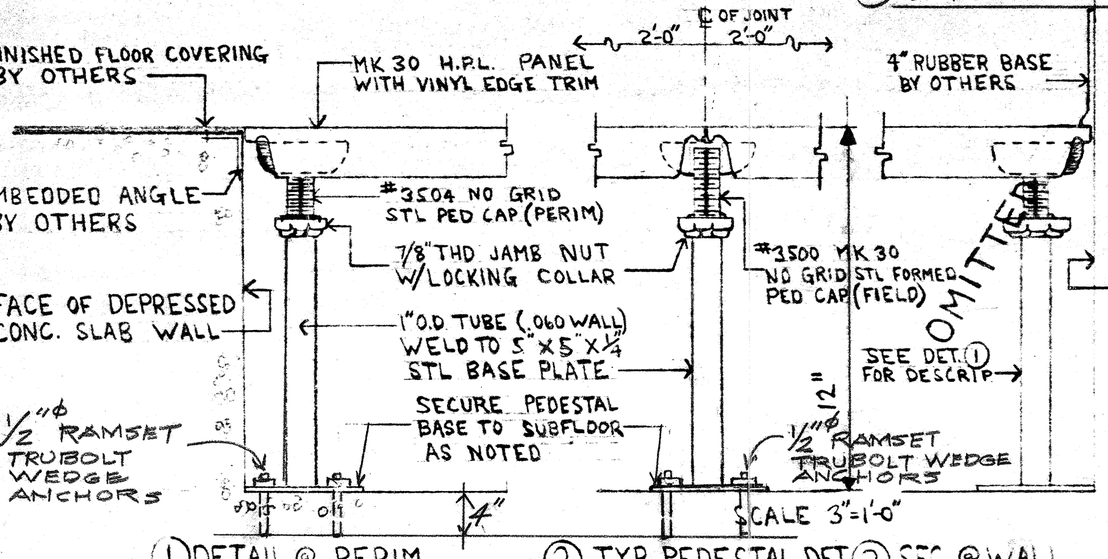


⑤ BASE PLATE

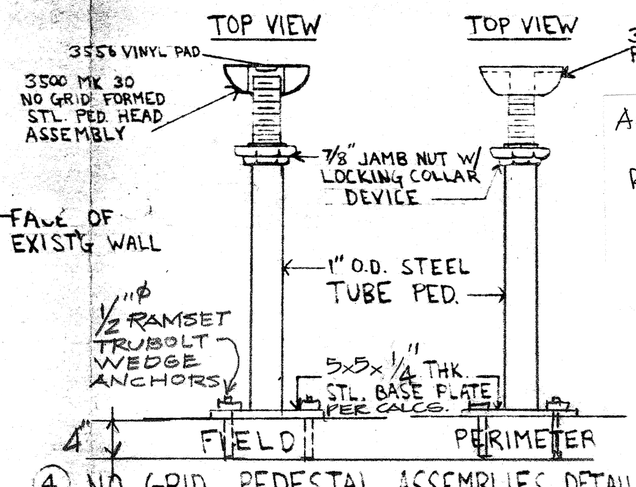
REFLECTED PLAN @ MK 30 PANEL







① DETAIL @ PERIM ② TYP. PEDESTAL DET. ③ SEC @ WALL



④ NO GRID PEDESTAL ASSEMBLIES DETAILS

METTA & ASSOCIATES
3516 MACDONALD AVE., RICHMOND, CALIF. 94805
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD., CONCORD, CAL. 94523
Checking is only for general compliance with the design concept of the project and general compliance with the information given in the contract documents. Any approval given is subject to the verification of the plans and specifications. Contractor responsible for dimensions which shall be confirmed and correlated at the job site; quantities; fabrication processes and techniques of construction; coordination of the work with that of all other trades and the satisfactory performance of the work.
APPROVED | REVISE & RESUBMIT
APPROVED AS NOTED | NOT APPROVED

JOHN J. EARLE REGISTERED PROFESSIONAL ENGINEER No. 1560 STRUCTURAL STATE OF CALIFORNIA

ACCESS FLOOR IN DATA PROCESSING LAB 156 (see sheet A2.1 AS BUILT)

psi Partition Specialties, Inc.
P.O. Box 5786
400 Convention Way
Redwood City, Calif. 94063
Phone: 415 364-7000

C.C.C. APPLIED ARTS ADMIN COMPLEX
2600 MISSION BELL SAN PABLO, CA.

SCALE AS SHOWN	APPROVED BY	DRAWN BY RH
DATE 6-18-81		REV. 1 10-26-81

MK 30 NO GRID SYSTEM LAYOUT AND DETAILS

DRAWING NUMBER 1141.7 SHT 1 OF 1

9 FORM 198MF

LIBRARY

HEALTH SCIENCE BLD'G.

EXIST'G. BLD'G.

APPLIED ARTS COMPLEX

(E) CONC.

(E) STORM DRAIN VENT

(E) STORM DRAIN

(E) ELEC. BOX

(E) ELEC. BOX

(E) M.H.

(E) SPRINKLER VALVES

(E) F.H.

(E) C.B.

(E) SEWER LINE

(E) GAS METER

GAS REGULATOR & SHUT-OFF VALVE - S.P.G.E.

(E) TREES

(E) TREES TO REMAIN

(E) A.C. PAVG.

(N) LAWN TO LIMITS OF GRADING

(N) LAWN

(E) CONC. COLLAR FOR DEWATERING WELL. INSTALL SIM. (N) COLLAR FLUSH W/ PAV.

REPLANT GROUND COVER AS REQUIRED TO FILL IN

HYDRO-MULCH TO LIMIT OF GRADING

LIMITS OF WORK

MATCH LINE

(E) CONC. STEPS-ALIKE

RETAINING WALL

BENCH

PLATE

WOOD PLATFORM & RAIL

HANGOVER WALL

(E) F.H. TO BE RELOCATED

(E) F.H. RELOCATED

(N) LAWN

COURTYARD SEE 2 A8.2

OPEN COURTYARD (2 FLOORS) SEE 2 A8.1

RETAINING WALL

TRASH BIN (TYP.)

BIKE RACK

DRINKING FOUNTAIN

GATE

PARKING

62'-0"

29'-0"

19'-0"

(E) STORM DRAIN

(E) CURB INLET

CROSS-WALK LINES

(N) CURB TO MATCH (E) CURB. PATCH SITE AS REQ'D.

(E) F.H.

(E) SIDEWALK

(E) CURB

(E) APPROX. TOP OF BANK

PROPERTY LINE

MATCH LINE

HILLS AVENUE

12 LONICERA HILDEBRADIANA 5 GAL.

(3) EXIST'G. TREES TO REMAIN

3 - T-7 15 GAL.

5 ACACIA ARMATA 5 GAL.

4 - T-6 15 GAL.

15 LONICERA HILDEBRADIANA 5 GAL.

10 ACACIA ARMATA 5 GAL.

DELETE ASPHALT WALK

(E) HEADWALL 112" EWS

DELETE LANDSCAPING IN THIS AREA. SEE ⚠ NOTES

(N) LAWN AS REQ'D. @ A.C. WALK

NEW CHAIN LINK FENCE SEE SHT. # RFQ-7

4'-0" WALKWAY

⚠ REVISION NOTES :

1. DELETE ALL LANDSCAPING OUT SIDE OF SOUTH OF PROPERTY LINE, AND SEED ONLY WITH ANNUAL RYE GRASS EQUAL TO STATE OF CALIF. HIGHWAY DEPT. IRRIGION CONTROL STD. SPECIFICATION.
2. DELETE ASPHALT WALK AS NOTED
3. INSTALL NEW 6'-0" HIGH CHAIN LINK FENCE ALONG SOUTH PROPERTY LINE AS SHOWN. ALSO SEE DET. ON SHEET RFQ-7
4. PLANT NEW PLANTS ALONG & INSIDE NEW FENCE AS SHOWN ABOVE.

FOR REVISED LANDSAPE PLAN SEE SHEET RFQ #39A

NOTE:
1. SLOPE SURFACES TO A.D. & C.B.
2. SEE SITE SURVEY SHTS. FOR ADDITIONAL NOTES.
3. [redacted]
4. ALL PLANTING WORK TO BE INCLUDED UNDER ALTERNATES NO. 7 & 8.
5. SEE DETAIL SHEETS 1.14 & 1.15 FOR PLANT TYPES.

STATE OF CALIFORNIA DEPT. OF GENERAL SERVICES
OCT 22 1979
Office of [illegible]

TRUE NORTH
REF. NORTH

LANDSCAPE PLAN
1/16" = 1'-0"

REVISED

REVISION	RFQ-7	5/21/80

OFFICE OF THE STATE ARCHITECT
[illegible]
42656
EXP. 9-27-79

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

COMETTA AND CIANFICHI
3316 MACDONALD AVENUE RICHMOND, CALIF. 233-2657
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, P. D. CIANFICHI, ARCHITECT
J. R. CROSSEN, J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

LANDSCAPE PLANS
APPLIED ARTS & ADMINISTRATION COMPLEX
CCCCD
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA

SHEET A8.1
DATE 8-24-79
JOB NO. 770-71A

LIMITS OF WORK

(E) ROAD W/WALK & GUTTERS

LIBRARY

(N) A.C. PAV. A.C. WALK & CONC. CURB

(E) STORM DRAIN VENT

(E) STORM DRAIN

SEE ARCHITECT FOR (E) PLANT REMOVAL

(N) LAWN

8' RAD.

(N) A.C. PAV.

PROPERTY LINE

66.2 MATCH LINE

FOR ADDITIONAL PARKING LOT & REVISED LANDSCAPE AREAS SEE SHEET RFQ #40A

1 PLAN - COURTYARD #1
1/8" = 1'-0"

2 PLAN - COURTYARD #2
1/8" = 1'-0"

3 PLAN - COURTYARD #2
1/8" = 1'-0"

4 PLAN - COURTYARD #3

5 PLAN - COURTYARD #4

KNOX GATE

4" THK. CONC. STEPS - TYP. UNDER ALT. #6

FENCE UNDER ALT. #2

(N) CONC. W/ SCORE LINES @ 4'-0" O.C. UNDER ALT #6

CONC. WALKWAY

NOTE:
1. SLOPE SIDEWALK TO ASPH. C.O.
2. SEE SITE SURVEY SHT. FOR ADDITIONAL NOTES.
3. SEE PLT. SHTS. LISTING FOR PLANT TYPES.
4. ALL PLANTING WORK TO BE INCLUDED UNDER ALTERNATES #2 AND 3 & 5.

FOR REVISED LANDSCAPE PLAN SEE SHEET RFQ #39B

REVISED

LANDSCAPE PLAN
SCALE: 1/16" = 1'-0"

LIMITS OF WORK

SEE 1/A2.2 FOR THIS AREA

MATCH LINE

(N) LAWN AS REQ'D

(R)(E) BUILDING SLABS & FOOTINGS

ft CREEK

240" TYP.

(E) LAWN

(E) UTILITY BOXES

A.C. PAV.

PROPERTY LINE

(E) CONC.

(N) A.C. PAV. A.C. WALK & CONC. CURB

LIMIT OF WORK ALTERNATE #5

TW 64.0 63.6P

(E) A.C. PAV. (N) A.C. PAV.

(E) C.P. W/ 12" CMP GRATE 61.1 INV. 62.1

TW 64.4 63.7P

(E) CONC. HEADWALL W/CYCLONE FENCE ATOP

TW 64.3 63.8P

PAD 64.3'

PAD 64.5'

(N) C.B. @ 64.8

(N) A.C. PAV.

PARKING

PAD 64.5'

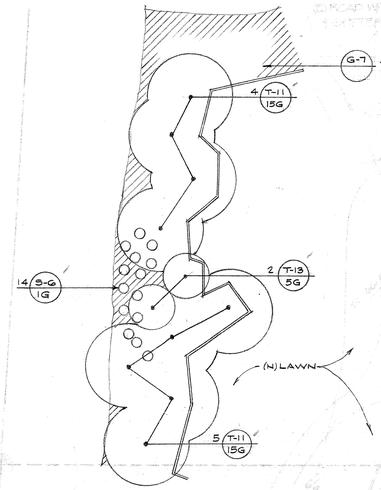
PAD 64.5'

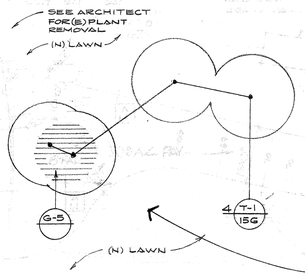
PAD 64.5'

PAD 64.0'

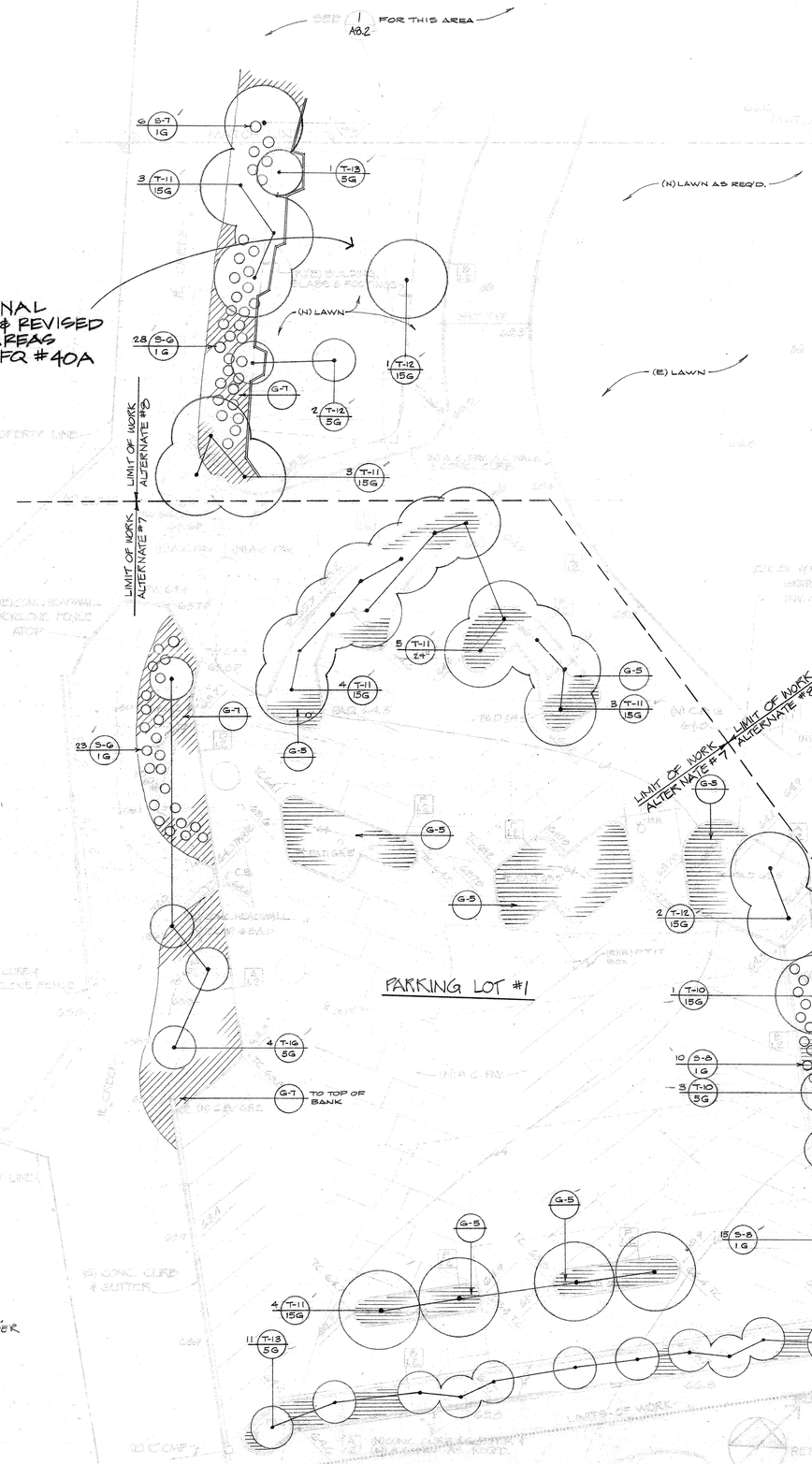
PAD 64.0'

PAD 64.0



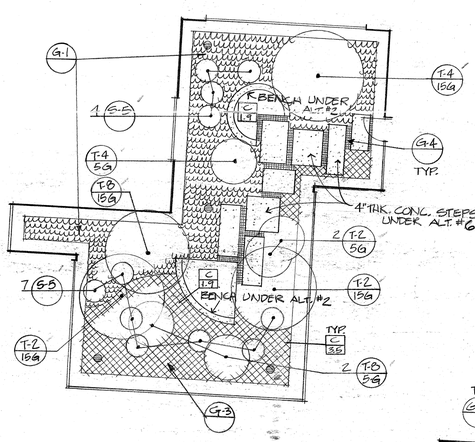


FOR ADDITIONAL PARKING LOT & REVISED LANDSCAPE AREAS SEE SHEET RFQ #40A

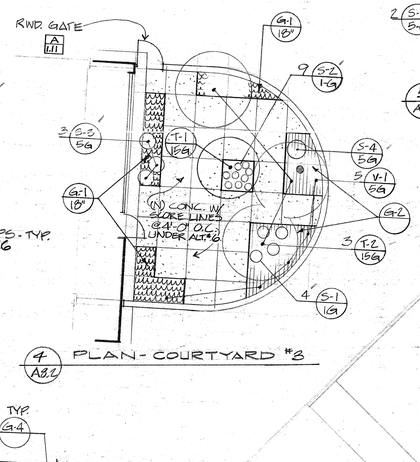


PARKING LOT #1

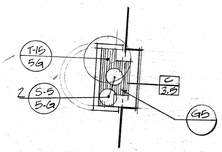
1 / A8.2 — 1/16"=1'-0"



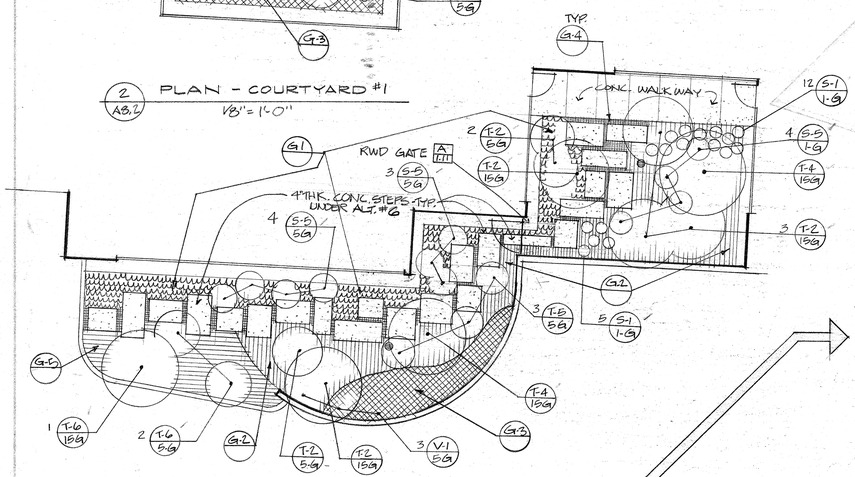
2 / A8.2 PLAN - COURTYARD #1 — 1/8"=1'-0"



4 / A8.2 PLAN - COURTYARD #3



5 / A8.2 PLAN - COURTYARD #4



3 / A8.2 PLAN - COURTYARD #2 — 3/8" = 1'-0"

FOR REVISED LANDSCAPE PLAN SEE SHEET RFQ #39B

NOTE:
1. SLOPE SURFACES TO A.D. & C.B.
2. SEE SITE SURVEY SNTS. FOR ADDITIONAL NOTES.
3. SEE PLT. SNTS. L.H.A.I.I.S FOR PLANT TYPES.
4. ALL PLANTING WORK TO BE INCLUDED UNDER ALTERNATES NO. 7 & 8.

REVISED

LANDSCAPE PLAN
SCALE: 1/8"=1'-0"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
AMENDED
AUG 27 '79
By: M. Mahoney
PRINCIPAL STRUCTURAL ENGINEER
APPLICATION #
422-56
FILE COPY
APPROVED
AUG 24 1979
STATE ARCHITECT

COMETTA AND CIANFICHI
CONSULTING ENGINEERS
STRUCTURAL & CIVIL
DESIGN & INSPECTION
1700 CONTRA COSTA BLVD. CONCORD, CALIF.

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO, CALIFORNIA
CCCCD

LANDSCAPE PLAN

SHEET
A8.2
DATE
8-24-79
JOB NO.
A

CUT & CAP EXISTING LATERAL LINE

EXISTING SPRINKLERS TO REMAIN IN SERVICE

EXISTING SPRINKLERS TO BE REMOVED

CONNECT TO EXISTING CONTROL WIRES & 1 GROUND WIRE TO BE REUSED UNDER THIS CONTRACT

8" DOMESTIC WATER LINE

CONNECT TO 8" WATER LINE WITH SMITH-BLAIR MODEL 622 TAPPING SLEEVE W/FLANGED OUTLET. INSTALL 4" FLANGED GATE VALVE

CUT & CAP EXISTING 3" QUICK COUPLER VALVE LINE

RELOCATE EXISTING SPRINKLER TO INSIDE OF WALK

HEALTH SCIENCE BLDG.

EXIST'G BLD'G.

EXISTING IRRIGATION TO REMAIN IN SERVICE, RELOCATE SPRINKLERS AS REQUIRED

EXISTING SPRINKLERS TO BE RELOCATED AS REQUIRED

EXISTING R.C.V.'S CONTROLLED FROM WITHIN HEALTH SCIENCE BLDG.

NEW LOCATION OF EXISTING 4" FEBCO 770 VACUUM BREAKER ASSEMBLY. LOCATE AT ELEVATION 118'-0"

1½" CAP

MATCH LINE

MATCH LINE

IRRIGATION CONTROLLER 'B' SERVICE WITH 120 VOLT ELECTRICAL. ELEC. STUB-OUT BY OTHERS.

APPLIED ARTS COMPLEX

COURTYARD #3

COURTYARD #4

COURTYARD #1

COURTYARD #2

1½" COPPER PIPE TO BE SUPPLIED BY PLUMBING CONTRACTOR

IRRIGATION CONTROLLER 'A' SERVICE WITH 120 VOLT A.C. ELECTRICAL. ELEC. STUB-OUT BY OTHERS.

COMMON TRENCH

COMMON TRENCH (TYPICAL)

NEW CHAIN LINK FENCE ALONG PROPERTY LINE - VARIFY LOCATION IN FIELD

NEW FENCE TO EXTEND OF CHURCH PROPERTY

FOR REVISED IRRIGATION PLAN SEE SHEET RFQ # 39C.

REVISED

TRUE NORTH

REF NORTH

IRRIGATION PLAN

SCALE 1/16" = 1'-0"

REVISION	RFQ-7	5-21-80

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

VOID IF NOT SIGNED AND SEALED BY STATE REGISTERED PROFESSIONAL ENGINEER

No. 27 79

Exp. 12/31/80

42256

APPLICATION NUMBER

STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER

Per. Gil Mendenhall

Mendenhall Associates Engineers

COMETTA AND CIANFICHI
2116 MACDONALD AVENUE RICHMOND, CALIF. 232-2657
CONFER & CROSSEN & ANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, ARCHITECT J. S. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT J. S. SANCA, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

IRRIGATION PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO

CCCCD
CALIFORNIA

SHEET A8.3

OF

DATE 8-24-79

JOB No. 770-71A

EXISTING 2" LATERAL LINE TO REMAIN IN SERVICE

EXISTING IRRIGATION CONTROL WIRE TO REMAIN IN SERVICE

LIBRARY

RELOCATE

FOR ADDITIONAL PARKING LOT & REVISED LANDSCAPE AREAS SEE SHEET RFQ # 40A

MATCH LINE

EXISTING IRRIGATION IN THIS AREA TO REMAIN IN SERVICE; RELOCATE SPRINKLERS AS REQUIRED.

UNDER ALT. # 5 CAP 3" MAIN LINE AT RCV # A-4

UNDER ALTERNATE # 5 CAP 3" MAIN LINE & STUB ALL WIRE REQUIRED FOR PARKING LOT # 1 (ALT. "4.)

MATCH LINE

PARKING LOT # 1

TRUE NORTH

REF. NORTH

IRRIGATION PLAN
SCALE 1/16" = 1'-0"

PLAN COURTYARD # 4
SCALE 1/8" = 1'-0"

PLAN-COURTYARD # 3
SCALE 1/8" = 1'-0"

PLAN-COURTYARD # 1
SCALE 1/8" = 1'-0"

1¼" COPPER PIPE BY PLUMBING CONTRACTOR

PLAN-COURTYARD # 2
SCALE 1/8" = 1'-0"

1½" COPPER PIPE BY PLUMBING CONTRACTOR

FOR REVISED IRRIGATION PLAN SEE SHEET RFQ # 39D.

REVISED

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

AUG 27 '79

42256

APPLICANT'S SEAL

By Yu Mankam Mos
CHIEF, STRUCTURAL SAFETY SECTION

PRELIMINARY ONLY
NOT FOR CONSTRUCTION

SUBMITTED

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-7637
CONFER & NANCE ROSSEN
CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
P. A. COMETTA, ARCHITECT J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

IRRIGATION PLAN

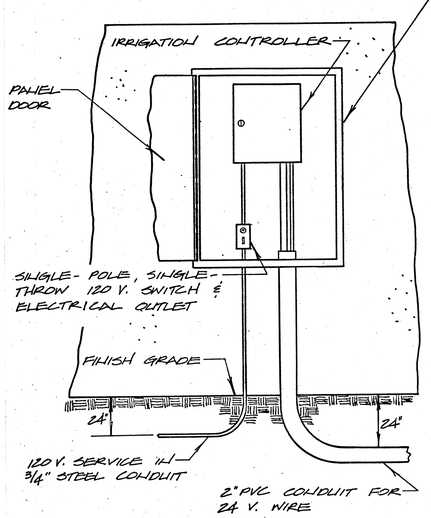
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
COCCD
CALIFORNIA

SHEET
A8.4
OF

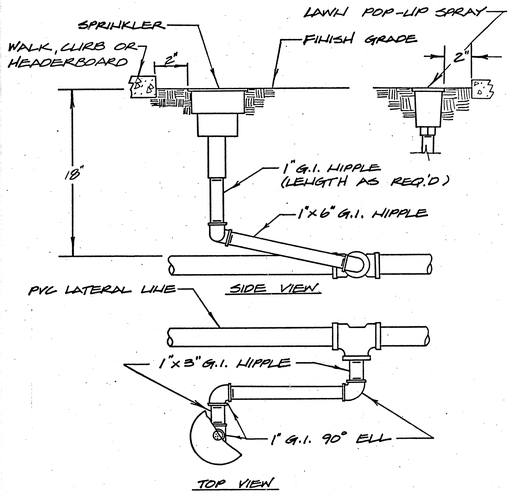
DATE
8-24-79

JOB No.
770-71A

CIRCLE A-N PRODUCTS #AN 302412-12 HEMA 12 ELECTRICAL CONTROL PANEL. PRIME ALL EXPOSED METAL SURFACES W/GALVALOY AND PAINT W/TWO COATS OF FLAT BLACK RUSTOLEUM PAINT



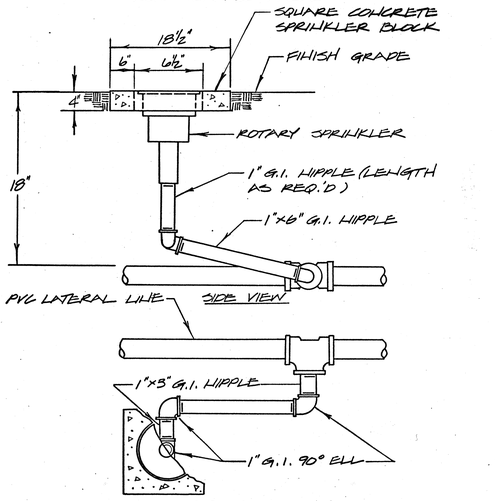
CONTROLLER DETAIL
(NO SCALE)



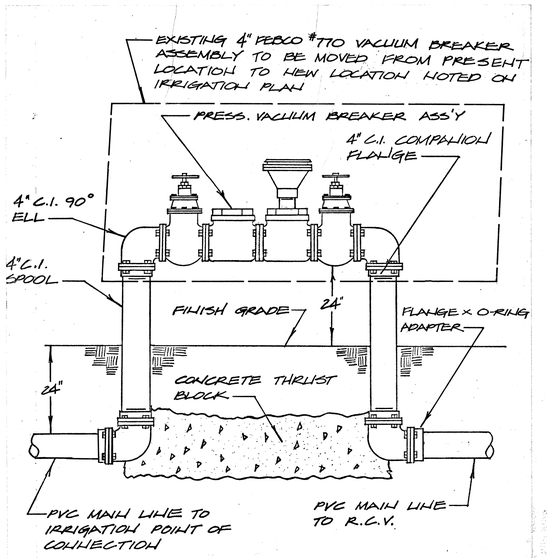
NOTE:
1. THIS DETAIL APPLIES TO ROTARY POP-UP SPRINKLERS LOCATED IN TURF AREAS.
2. FOR 1/2" LAWN POP-UP RISER, USE 1/2" G.I. FITTINGS AND NIPPLES

SPRINKLER RISER DETAIL
(NO SCALE)

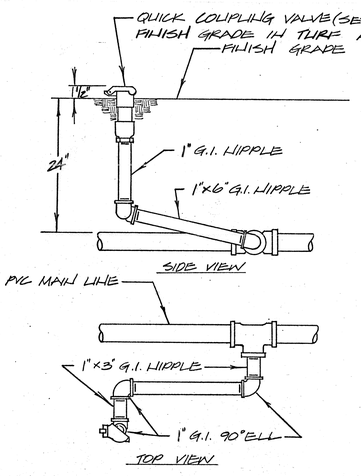
NOTE: THIS DETAIL APPLIES TO ROTARY POP-UP SPRINKLERS LOCATED IN NON-TURFED AREAS.



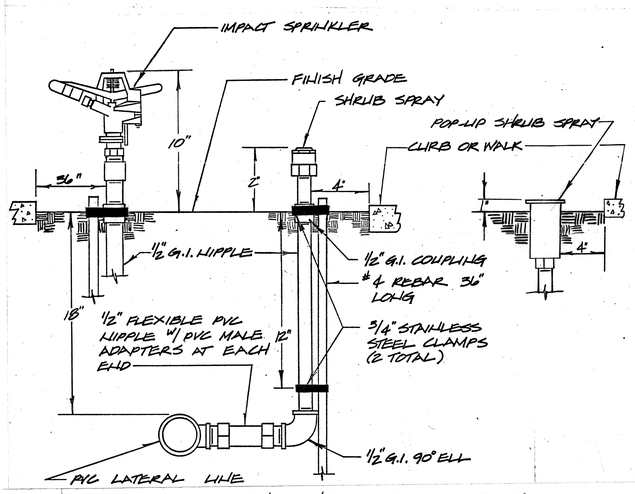
SPRINKLER RISER W/CONC. BLOCK
(NO SCALE)



VACUUM BREAKER ASS'Y
(NO SCALE)

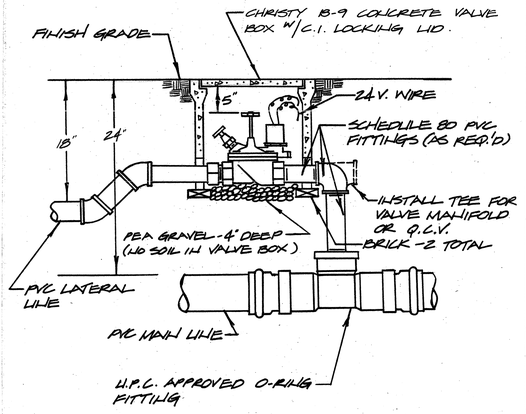


QUICK COUPLING VALVE DETAIL
(NO SCALE)

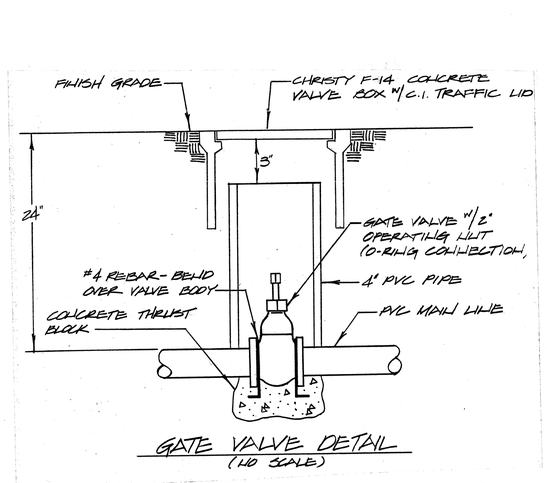


IMPACT & SHRUB RISER DETAIL
(NO SCALE)

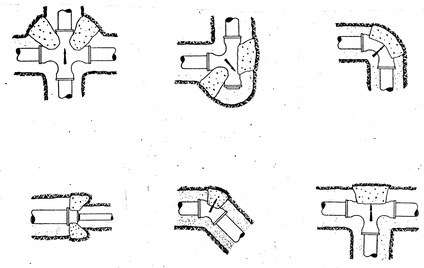
NOTE:
1. USE 45° ELLS TO LOWER LATERALS TO PROPER DEPTH.
2. LOCATE R.C.V. IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE.



REMOTE CONTROL VALVE DETAIL
(NO SCALE)

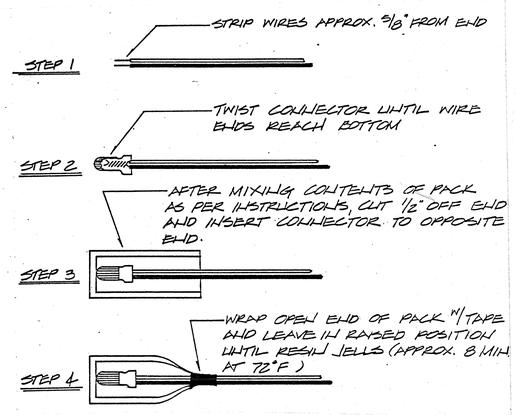


GATE VALVE DETAIL
(NO SCALE)



INSTALL MAIN LINE AS PER MANUFACTURER'S INSTALLATION GUIDE.

TYPICAL THRUST BLOCK DETAILS FOR RING-TITE PIPE
(NO SCALE)



TYPICAL WIRE CONNECTION DETAIL
(NO SCALE)

IRRIGATION LEGEND

SYMBOL	NUMBER	DESCRIPTION
	37-13/64"	RAINBIRD IMPACT POP-UP SPRINKLER
	37-3/16"	
	37-7/32"	
	20 ADJ-7/32"	SPRINKLER
	171 F0,H0,90-HP	LAWN POP-UP SPRAY - HIGH POP
	171 FU,HU,QU-HP	" " "
	402	BUCKNER BUBBLER
	GILF-71/680 CS & ES	SAFE-T-LAWN POP-UP SHRUB STRIP SPRAY
	GILF-71/680 HU, QU	SPRAY
	680 FU, HU, QU	SHRUB SPRAY
	14 RLT	BUCKNER QUICK COUPLING VALVE
	100 SFC SERIES	GRISWOLD REMOTE CONTROL VALVE
A B	SR-24	CONTROLLER (WALL MOUNT)
	G-736-O	STOCKHAM GATE VALVE (LINE SIZE)
	770-4"	EXISTING PEBCO PRESS. VACUUM BREAKER TO BE RELOCATED AS NOTED
A-4 21		CONTROLLER AND STATION NUMBER
		REMOTE CONTROL VALVE SIZE
		MAIN LINE: 1120-160 PSI RING-TITE PVC PLASTIC PIPE W/U.P.C. APPROVED RING-TITE FITTINGS. 24" COVER.
		LATERAL LINE: 1120-200 PSI SOLVENT WELD PVC PLASTIC PIPE W/SCHEDULE 40 SOLVENT WELD PLASTIC FITTINGS. 18" COVER.
		EXISTING LATERAL LINE

FOR REVISED IRRIGATION DETAILS SEE SHEET FFQ # 39E

REVISED

IRRIGATION DETAILS
SCALE: NONE

COMETTA AND CIANFICHI
3316 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
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E. A. COMETTA J. S. NANCE, ARCHITECT
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J. E. CROSSEN, ARCHITECT
P. W. CONFER

ARCHITECT | STRUCT. ENGINEER | CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42856
EXPIRATION DATE
Per Mechanical Engineers

IRRIGATION DETAILS

APPLIED ARTS & ADMINISTRATION COMPLEX
CCCCD
CONTRA COSTA COLLEGE
SAN PABLO
CALIFORNIA

SHEET A 8.5
OF
DATE 8-24-79
JOB No. 770-71

4-15-77

LIBRARY

HEALTH SCIENCES BLDG

FURNACE BLDG

APPLIED ARTS AND ADMINISTRATION BLDG

(N) LAWN TO LIMITS OF GRADING

(N) LAWN

MATCH LINE

COURTYARD #4 SEE 5/B

COURTYARD #1 SEE 2/B

COURTYARD #2 SEE 3/B

COURTYARD #3 SEE 4/B

LIMITS OF WORK

LIMIT OF WORK

TRUE NORTH

REFERENCE NORTH

AS BUILT

PLANT TYPES

	KEY NO.	QTY.	BOTANICAL NAME	MIN. SIZE (HGT./CALIPER) 1 GAL.	5 GAL	15 GAL.
TREES	T-1		QUERCUS ILEX			
	T-2		BETULA VERRUCOSA ALBA 'FASTIGIATA'			
	T-3		PRUNUS SERRULATA 'KEKITAMA'			
	T-4		ACER PALMATUM 'SANGOKAKU'			
	T-5		PINUS MUGO			
	T-6		SEQUOIA SEMPERVIRENS			
	T-7		PINUS MURICATA			
	T-8		ACER PALMATUM 'BONFIRE'			
	T-9		METROSIDEROS TOMENTOSE			
	T-10		PLATANUS ACERIFOLIA			
	T-11		PITTOSPORUM CRASSIFOLIUM			
	T-12		PINUS PINEA			
	T-13		EUCALYPTUS SIDEROXYLON 'ROSEA'			
	T-14		EUCALYPTUS CITRIODORA			
	T-15		MAYTENUS BOARIA			
	T-16		SALIX ALBA TRISTIS			
	T-17		PRUNUS SERRULATA PENDULA			
VINES	V-1		BOUGAINVILLEA SPECTABILIS 'TEMPLE FIRE'			
	V-2		PARTHENOCISSUS TRICUSPIDATA			
SHRUBS	S-1		AGAPANTHUS ORIENTALIS			
	S-2		AGAPANTHUS PETER PAN			
	S-3		RHAPIS HUMILIS			
	S-4		RHODODENDRON 'ALICE'			
	S-5		AZALEA, SOUTHERN INDICA 'BRILLIANT'			
	S-6		CISTUS HYBRIDUS			
	S-7		CISTUS LADANIFERUS MACULATUS			
	S-8		CHAENOMELES 'CARDINAL'			
	S-9		CHAENOMELES 'CLARKS GIANT RED'			
	S-10		CHRYSANTHEMUM FRUTESCENS			
	S-11		JUNIPERUS HORIZONTALIS			
	S-12		CEANOTHUS HORIZONTALIS			
	S-13		COTONEASTER DAMMERI			
	S-14		JASMINUM MESNYI			
	S-15		MAHONIA REPENS			
	S-16		ROSA SARABANDE			
	S-17		LONICERA HILDEBRANDIA			
	S-18		ACACIA ARMATA			

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

COMETTA AND CIANFICHI
ARCHITECTURAL AND PLANNING FIRM
PAUL D. CIANFICHI, ARCHITECT, A.I.A.
3516 MACDONALD AVENUE • RICHMOND, CALIFORNIA • 232-2687
ELVIN A. COMETTA

REVISED LANDSCAPE PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX

CCCCD

CONTRA COSTA COLLEGE

SAN PABLO CALIF.

SHEET RFQ 39A

OF

DATE 6·4·82

JOB No. 770·71·A

LIMIT OF WORK

LIBRARY

(N) LAWN

(N) LAWN

(N) LAWN

MATCH LINE

PROPERTY LINE

S-11 1G @ 5'-0" O.C. TO TOP OF BANK

4 T-11 5G

15 S-6 1G

2 T-13 5G

2 T-1 5G

2 T-1 5G

5 T-11 5G

S-11 1G @ 5'-0" O.C. TO TOP OF BANK

1

1/16" = 1'-0"

S-11 1G @ 5'-0" O.C. THROUGHOUT

T-4 5G

4 S-5

T-4 5G

T-8 5G

S-11 1G @ 5'-0" O.C. THROUGHOUT

2 T-2 5G

1 S-5

T-2 5G

T-2 5G

2 T-3 5G

2 PLAN - COURTYARD #1

1/8" = 1'-0"

2 S-11 1G

T-15 5G

2 S-5 5G

5 PLAN - COURTYARD #4

2 S-11 1G

2 S-11 1G

2 S-11 1G

3 S-3 5G

T-1 5G

S-4 5G

3 S-11 1G

8 T-2 5G

4 S-1 1G

2 S-11 1G

4 PLAN - COURTYARD #3

12 S-1 1-G

2 T-2 5G

T-2 5G

4 S-5 1G

T-4 5G

3 T-2 5G

3 S-5 5G

S-11 1G @ 5'-0" O.C. THROUGHOUT

4 S-5 5G

3 T-5 5G

5 S-1 1-G

T-4 5G

1 T-6 5G

2 T-6 5G

T-2 5G

T-2 5G

3 V-1 5G

S-11 1G @ 5'-0" O.C. THROUGHOUT

3 PLAN - COURTYARD #2

1/8" = 1'-0"

LIMITS OF WORK

S-11 1G @ 5'-0" O.C. THROUGHOUT

6 S-7 1G

T-12 5G

3 T-11 5G

T-13 5G

MATCH LINE

(N) LAWN AS REQ'D

(N) LAWN

28 S-6 1G

S-11 1G @ 5'-0" O.C. TYP

T-12 5G

2 T-12 5G

(E) LAWN

PROPERTY LINE

3 T-11 5G

S-11 1G @ 5'-0" O.C. THROUGHOUT

5 T-11 5G

S-11 1G @ 5'-0" O.C. TYP

5 T-11 5G

S-11 1G @ 5'-0" O.C. TYP

3 T-11 5G

23 S-6 1G

S-11 1G @ 5'-0" O.C. THROUGHOUT

2 T-12 5G

S11 1G @ 5'-0" O.C. THROUGHOUT

4 T-16 5G

PORTABLE BLDG.

PORTABLE BLDG.

T-13 5G

3 S11 1G

LANDSCAPE PLAN

SCALE: 1/16" = 1'-0"

AS BUILT

TRUE NORTH

REFERENCE NORTH

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

COMETTA AND CIANFICHI

ARCHITECTURAL AND PLANNING FIRM

PAUL D. CIANFICHI, ARCHITECT, A.I.A. ELVIN A. COMETTA

3516 MACDONALD AVENUE • RICHMOND, CALIFORNIA • 232-2657

REVISED LANDSCAPE PLANS

APPLIED ARTS & ADMINISTRATION COMPLEX

CONTRA COSTA COLLEGE CAMPUS

SAN PABLO CALIF.

SHEET RFQ39B

OF

DATE 6·4·82

JOB No. 770·71·A

LIBRARY

HEALTH SCIENCES BLDG.

FURNACE BLDG.

APPLIED ARTS AND ADMINISTRATION BLDG.

EXISTING SPRINKLERS TO REMAIN IN SERVICE.

EXISTING IRRIGATION TO REMAIN IN SERVICE. RELOCATE SPRINKLERS AS REQUIRED.

MATCH LINE

EXISTING BACKFLOW PREVENTION ASSEMBLY - REMOVE AND TURN OVER TO COLLEGE DISTRICT. INSTALL A FEBCO 835 B-2" R.P. UNIT.

EXISTING SPRINKLERS TO BE RELOCATED AND REPAIRED AS REQUIRED.

INSTALL REMOTE CONTROL VALVE FOR FUTURE USE.

IRRIGATION CONTROLLER "C" - WALL MOUNT AS DIRECTED BY INSPECTOR. SERVICE WITH 120 VOLT A.C. ELECTRICAL.

EXISTING 1½" COPPER PIPE FOR IRRIGATION.

COURTYARD #4 SEE 5

OPEN COURTYARD #1 SEE 1

COURTYARD #2 SEE 3

COURTYARD #3 SEE 4

LIMITS OF WORK

LIMIT OF WORK

IRRIGATION LEGEND

SYMBOL	NUMBER	DESCRIPTION
⊖	10092-12-11-03	BUCKNER ROTARY POP-UP SPRINKLER
●	10090-12-03	BUCKNER ROTARY POP-UP SPRINKLER
⊖	10091-14-03	BUCKNER ROTARY POP-UP SPRINKLER
⊕	10091-12-03	BUCKNER ROTARY POP-UP SPRINKLER
○ ⊖ ⊕	GL-67/680 FU, HU, QU	SAFE-T-LAWN LAWN POP-UP SPRAY
▲	EMT-J10	RAIN BIRD EMITTER
✤	100 FC SERIES	HYDRO-RAIN REMOTE CONTROL VALVE
◆	14 RLT	BUCKNER QUICK COUPLING VALVE
⬡	MC 18	IRRI-TROL CONTROLLER (WALL MOUNT)
⊠	835 B-2"	FEBCO REDUCED PRESSURE BACKFLOW ASSEMBLY
C-1 / 1½		CONTROLLER AND STATION NUMBER
		REMOTE CONTROL VALVE SIZE
		MAIN LINE: 1120-SCHEDULE 40 PVC PLASTIC PIPE W/SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 18" COVER.
		LATERAL LINE: 1120-200 PSI PVC PLASTIC PIPE W/SCHEDULE 40 PVC PLASTIC FITTINGS. 12" COVER.
		SLEEVE: 1120-200 PSI PVC PLASTIC PIPE. 18" COVER.
⊠	U5-3/4" & 420-3/4"	WATTS PRESSURE REDUCING VALVE AND HYDRO-RAIN Y STRAINER W/80 MESH SCREEN.

IRRIGATION NOTES

1. REMOTE CONTROL VALVES WITH THE SAME CONTROLLER AND STATION NUMBER SHALL BE WIRED TO THE SAME STATION ON THE CONTROLLER. RUN WIRE FROM EACH RCV TO THE CONTROLLER. SPLICING VALVES TOGETHER IN FIELD WILL NOT BE PERMITTED.
2. INSTALL A KING BROTHERS SPRING LOADED CHECK VALVE IN THE LATERAL LINE TO KEEP THE LOWER EMITTERS FROM DRAINING EXCESS WATER WHEN SYSTEM IS TURNED OFF. 50 CHECK VALVES MINIMUM.
3. INSTALL ONE EMITTER PER SHRUB AND 2 EMITTERS PER TREE.

AS BUILT

TRUE NORTH

REFERENCE NORTH

SCALE: 1/16"=1'0"

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

COMETTA AND CIANFICHI
ARCHITECTURAL AND PLANNING FIRM
PAUL D. CIANFICHI, ARCHITECT, A.I.A. — ELVIN A. COMETTA
3516 MACDONALD AVENUE • RICHMOND, CALIFORNIA • 232-2637

REVISED IRRIGATION PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX

CONTRA COSTA COLLEGE — CCCCD

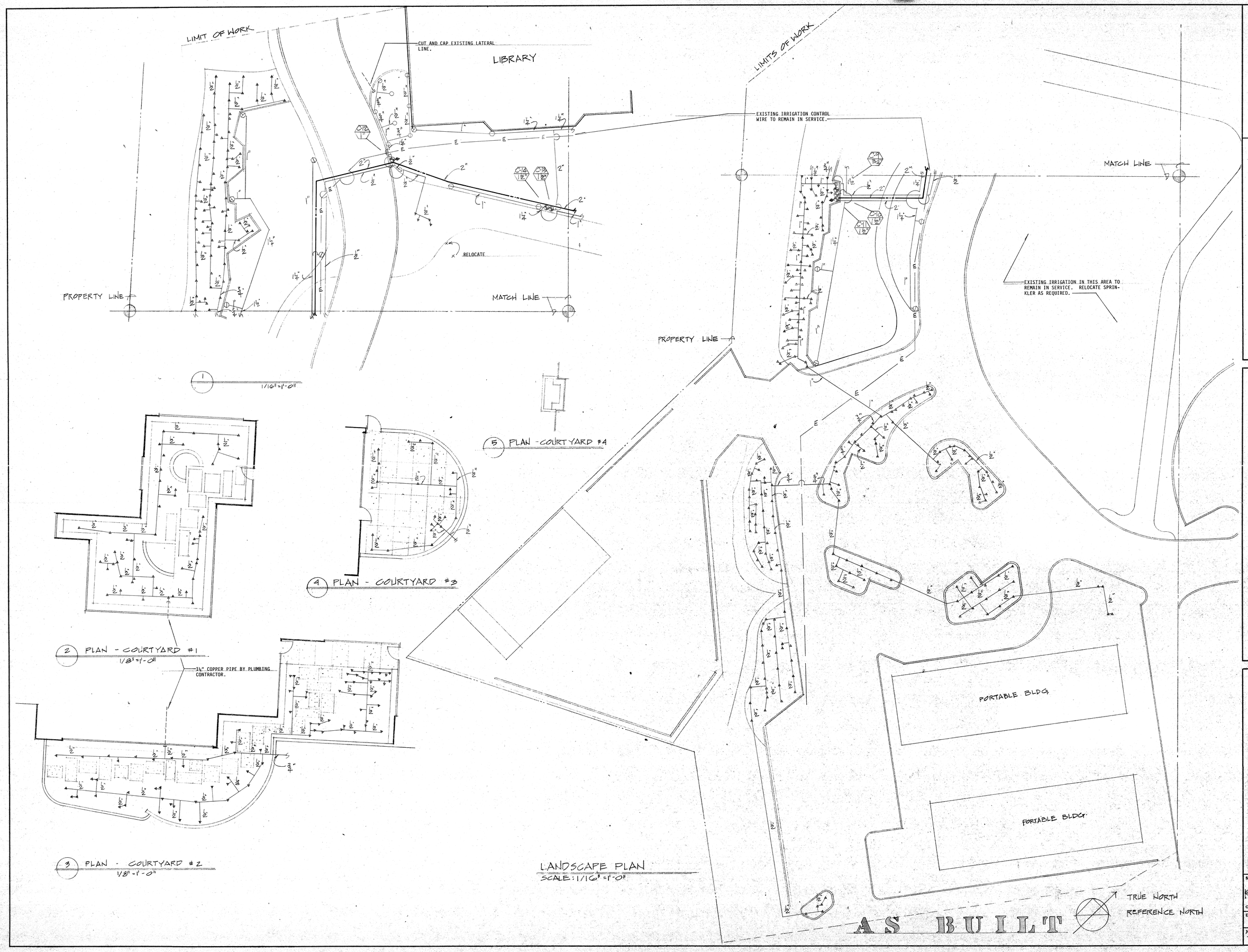
SAN PABLO, CALIF.

SHEET RFQ39C

OF

DATE 6-10-82

JOB No. 770-71-A



LANDSCAPE PLAN
SCALE: 1/16"=1'-0"

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

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ARCHITECTURAL AND PLANNING FIRM
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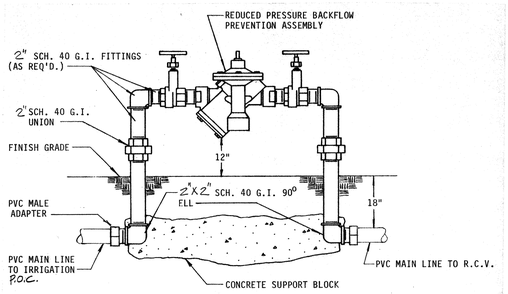
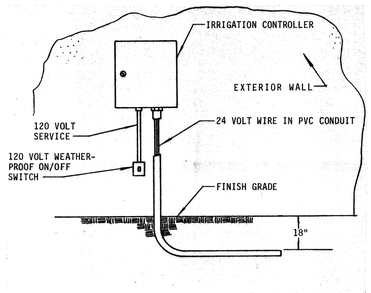
REVISED IRRIGATION PLAN
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CCCCD CALIF.

SHEET RFQ39D
OF
DATE 6-10-82
JOB No. 770 71-A



REDUCED PRESSURE BACKFLOW ASSEMBLY
NOT TO SCALE



CONTROLLER DETAIL
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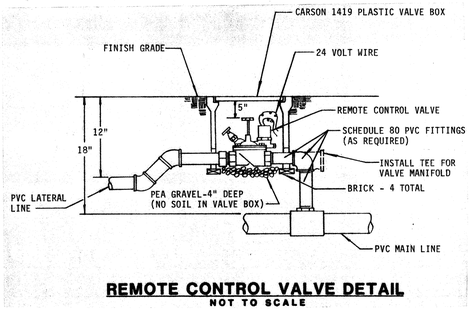
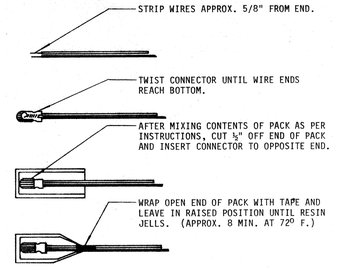


REMOTE CONTROL VALVE DETAIL
NOT TO SCALE



WIRE CONNECTION DETAIL
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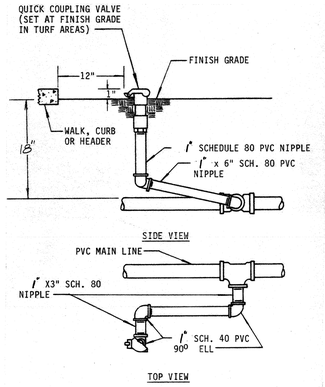

QUICK COUPLING VALVE DETAIL
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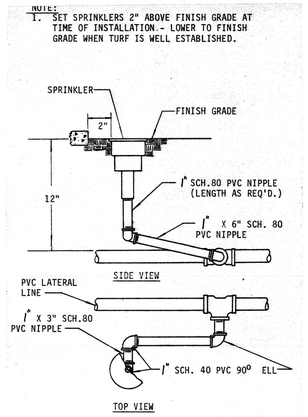
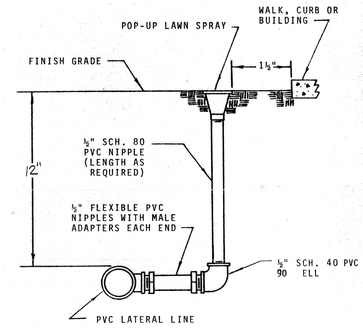


SPRINKLER RISER DETAIL
NOT TO SCALE



TYPICAL LAWN SPRAY DETAIL
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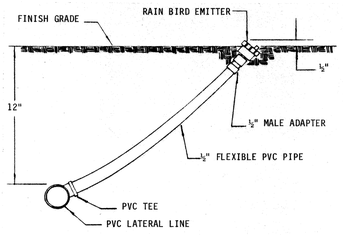
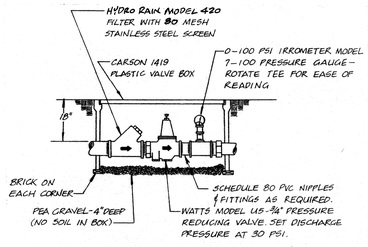
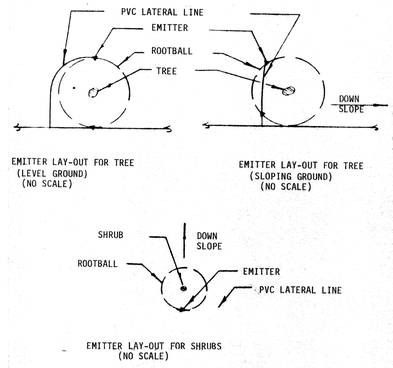


FLEXIBLE EMITTER RISER DETAIL
NOT TO SCALE



EMITTER MANIFOLD DETAIL
(NO SCALE)



EMITTER PLACEMENT
NOT TO SCALE

AS BUILT

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REVISED IRRIGATION DETAILS
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD CALIF.

SHEET RFQ 39E
OF
DATE 6-10-82
JOB No. 770-71A

GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS, AND TITLE 21, CALIFORNIA ADMINISTRATIVE CODE, LATEST EDITION AS AMENDED.

THESE NOTES SHALL APPLY TO ALL STRUCTURAL DRAWINGS UNLESS OTHERWISE NOTED OR SHOWN.

FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL, AND SHALL APPLY GENERALLY THROUGHOUT SIMILAR CONDITIONS.

UNLESS SHOWN OTHERWISE, DETAILS SHOWN ON "TYPICAL DETAIL" SHEETS SHALL BE USED WHENEVER APPLICABLE. SPECIFIC DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER "TYPICAL DETAILS". SPECIFIC NOTES ON STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER NOTES SHOWN IN "GENERAL NOTES".

THE STRUCTURAL DRAWINGS SHOW STRUCTURAL FEATURES. EXACT CONFIGURATION FOR INTERIOR PARTITION WALLS ARE SHOWN ON ARCHITECTURAL DRAWINGS, NOT NECESSARILY ALL SHOWN ON THE STRUCTURAL DRAWINGS.

PROVIDE ANCHORAGE, INSERTS, ANCHOR BOLTS, ETC., FOR STRUCTURAL CONNECTIONS OF TOP, SIDES, AND BOTTOM OF ALL PARTITION WALLS AS LOCATED ON THE ARCHITECTURAL DRAWINGS.

REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FLOOR FINISH AND THEIR LOCATIONS; DEPRESSIONS AND CURBS ON FLOORS; OPENINGS IN WALLS, SLABS, AND FLOORS AS REQUIRED FOR WINDOWS, DOORS, DUCTS, VENTS, PLUMBING, ETC.; ALL TYPES OF FLASHING, INSERTS, ANCHORAGE, HANGERS, ETC., EMBEDDED IN OR ATTACHED TO THE STRUCTURE; ROADWAY, WALKS, PAVING, STAIRS, RAMPS, TERRACES, ETC., EXTERIOR GRADES; ELEVATIONS OF ROOF SURFACE; LOCATION OF DRAINS AND PARTITION WALLS.

THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS AS TO ALL LAYOUTS, DIMENSIONS AND ELEVATIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK.

IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SHOWN FOR SIMILAR CONDITIONS.

BEAMS, JOISTS AND ANY OTHER STRUCTURAL ELEMENTS SHALL NOT BE CUT OR PENETRATED, EXCEPT AS SHOWN IN STRUCTURAL DETAILS OR AS APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER. FIELD WELD AS NECESSARY.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO POURING CONCRETE. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

FEATURES OF EXISTING CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD AND ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.

SEE ARCHITECTURAL DRAWINGS FOR DETAILS ON REQUIRED VENTILATION OF ROOF JOISTS, FLOOR JOISTS AND ATTIC SPACES.

SYMBOLS AND ABBREVIATIONS

NTS	INDICATES	NOT TO SCALE	RW	INDICATES	REDWOOD LUMBER
AS-2	"	SECTION A ON DRAWINGS S2, ETC.	[symbol]	"	A CONTINUOUS MEMBER IN SECTION
SAD	"	SEE ARCHITECTURAL DRAWINGS OR SEE ARCHITECTURAL DETAILS	[symbol]	"	A NON-CONTINUOUS MEMBER SUCH AS SOLID BLOCK OR END FACE OF CONTINUOUS MEMBER
FS	"	FACE OF STUD	FC	"	GALVANIZED FRAMING CLIP - SEE DETAIL AND SIZE SCHEDULE
JOIST	"	JOIST OR RAFTERS	DJ	"	DOUBLE JOIST OR DOUBLE RAFTER
JH	"	GALVANIZED JOIST HANGER	OTJH	"	OVER-THE TOP GALVANIZED JOIST HANGER
PW	"	STRUCTURAL PLYWOOD	UON	"	UNLESS OTHERWISE NOTED
MB	"	MACHINE BOLT	CP	"	COMPLETE PENETRATION BUTT WELD
AB	"	ANCHOR BOLT	FTG	"	FOOTING
WA	"	RED HEAD WEDGE ANCHOR	SMD	"	SEE MECHANICAL DETAILS
ES	"	EACH SIDE	S.A.D.	"	SEE ARCHITECTURAL DRAWING OR DETAILS

FOUNDATION NOTES

THE SOIL REPORT APPLICABLE TO THIS PROJECT SITE IS BY HARDING-LAWSON ASSOCIATES, CONCORD, CALIFORNIA, HLA JOB NO. 4163,057.03 DATED JUNE 17, 1976, AND SUPPLEMENTARY REPORT DATED JUNE 19, 1979 AND IS AVAILABLE FOR REVIEW AT THE ARCHITECT'S OFFICE.

FOOTINGS SHALL BEAR ON ROCK, UNDISTURBED NATURAL SOIL, OR RECOMPACTED FILL MATERIAL. FOUNDATION SOIL IS FILL OR SILTSTONE BEDROCK.

FOR BIDDING PURPOSES, THE ELEVATION OF THE BOTTOM OF FOOTINGS SHALL BE AS INDICATED ON THE FOUNDATION PLANS, AND ON DETAILS. THESE FOOTINGS DEPTHS ARE MINIMUM AND SHALL IN NO CASE BE LESS THAN 3'-0" deep. THEY SHALL BE SUBJECT TO APPROVAL BY THE SOIL ENGINEER DURING FOUNDATION EXCAVATION AND CONSTRUCTION.

SOIL PRESSURES UNDER FOOTINGS AS DESIGNED DO NOT EXCEED 2000 PSF DUE TO DEAD LOAD, NOR EXCEED 2500 PSF DUE TO DEAD LOAD PLUS LIVE LOAD, NOR EXCEED 3000 PSF DUE TO COMBINED DEAD LOAD PLUS DESIGN LIVE LOADS PLUS GOVERNING DESIGN WIND OR SEISMIC LOAD.

WHERE FOUNDATION WALL BACKFILL IS NECESSARY, THE BACKFILL SHALL BE PLACED SIMULTANEOUSLY ON EACH SIDE OF WALL, AND THE LEVEL ON ONE SIDE SHALL NOT EXCEED THE OTHER SIDE BY MORE THAN 6" DURING THIS OPERATION. FOOTINGS SHALL BE CENTERED UNDER BEARING WALLS ABOVE UNLESS NOTED OTHERWISE.

SEE ARCHITECTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND ANY OTHER INCLUDED DRAWINGS, AND CONSULT WITH THE RESPECTIVE TRADES, FOR VERIFICATION OF ALL ITEMS SHOWN OR NOT SHOWN ON STRUCTURAL PLANS PRIOR TO POURING CONCRETE FOOTINGS AND FLOOR SLABS.

VERIFY LOCATIONS FOR OPENINGS OR PENETRATIONS THROUGH CONCRETE, CONCRETE CURBS, FLOOR DEPRESSIONS, FLOOR SLOPES AND DRAINS, INSERTS, ETC.

CONCRETE NOTES

ALL CONCRETE SHALL BE REINFORCED UNLESS NOTED "NOT REINFORCED".

SEE SPECIFICATIONS FOR THE REQUIREMENTS IN THE PRODUCTION, TESTING, AND INSTALLATION OF CONCRETE.

SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF EXTERIOR WALKS AND PAVEMENT, AND FOR REINFORCEMENT REQUIREMENTS.

REINFORCEMENT SHALL BE ASTM A615-40, WELDABLE, AND/OR A706, WITH BAR MARKS LEGIBLY ROLLED INTO THE SURFACE INDICATING SIZE, TYPE OF STEEL, AND YIELD STRENGTH DESIGNATION. FIELD WELD AS NECESSARY.

CONCRETE SHALL TEST NOT LESS THAN 3000 PSI AT 28 DAYS FOR STRUCTURAL AND FOUNDATION ELEMENTS. FLOOR SLABS ON GRADE SHALL TEST NOT LESS THAN 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS.

LAP ALL BARS 40 DIAMETERS AS SPLICES; STAGGER SPLICES WHEREVER POSSIBLE. VERTICAL WALL BARS SHALL EXTEND INTO FOOTINGS, BUT MAY BE DOWELLED WITH 40 DIAMETER LAPS OF SAME SIZE BARS.

REINFORCEMENT, ANCHOR BOLTS, PIPE SLEEVES AND OTHER INSERTS SHALL BE POSITIVELY SECURED IN PLACE BEFORE CONCRETE POURED.

BAR COVERAGE TO FACE OF BAR, EXCEPT AS OTHERWISE SHOWN, SHALL BE:

3"	WHERE CONCRETE IS POURED AGAINST EARTH, OR AGAINST GROUND CONTACT.	
2"	FOR BARS LARGER THAN #5 WHERE CONCRETE SURFACES ARE EXPOSED TO EARTH OR TO WEATHER AFTER REMOVAL OF FORMS.	
1 1/2"	FOR #5 BARS OR SMALLER, WHERE CONCRETE SURFACES ARE EXPOSED TO EARTH OR TO WEATHER AFTER REMOVAL OF FORMS.	
1 1/2"	FOR COLUMN SPIRALS OR TIES	UNLESS GOVERNED ABOVE BY EXPOSURE TO WEATHER, OR AS NOTED ON DETAILS.
1 1/2"	FOR STIRRUPS OF BEAM	
1"	FOR WALL BARS (DOUBLE MAT)	
3/4"	FOR STRUCTURAL SLAB BARS, TOP AND BOTTOM	

INTERIOR SLABS ON GROUND SHALL BE REINFORCED AS SHOWN ON STRUCTURAL PLANS. LOCATIONS OF CONSTRUCTION JOINTS MUST BE APPROVED BY THE ARCHITECT.

ALL CONCRETE CURBS ARE 6" HIGH UNLESS OTHERWISE NOTED. ALL TOILET ROOM STUD WALLS SHALL HAVE CONCRETE CURBS.

THE SURFACE OF ALL CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHED BY REMOVING THE ENTIRE SURFACE AND EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN MORTAR MATRIX.

CARPENTRY NOTES

SILL ON CONCRETE SHALL BE FOUNDATION GRADE REDWOOD 3" THICK AT STRUCTURAL PLYWOOD SHEATHED WALLS AND 2" MINIMUM THICK ELSEWHERE. THEY SHALL BE ANCHORED WITH 5/8" ø x 14" BOLTS UNLESS OTHERWISE NOTED (HOLES MAY BE 1/16" OVERSIZE) WITH A BOLT WITHIN 9" OF EACH END OF EACH STICK AND SPACED NOT OVER 48" O.C. BETWEEN. SEE STRUCTURAL DETAILS FOR SPECIFIC SPACING OF ANCHOR BOLTS WHICH MAY BE NOTED AS LESS THAN 48" O.C. THERE SHALL BE AT LEAST 2 BOLTS WITHIN 9" OF EACH SIDE OF NOTCH. TIEDOWN BOLTS SHALL NOT BE CONSIDERED AS SILL BOLTS. SILL SHALL BE BEDDED IN 1:2 MORTAR 3/4" THICK.

ALL OTHER LUMBER NOT OTHERWISE NOTED SHALL BE DOUGLAS FIR MANUFACTURED AND GRADED IN ACCORDANCE WITH THE WEST COAST LUMBER INSPECTION BUREAU. "STANDARD GRADING RULES, NO. 16, EFFECTIVE SEPTEMBER 1, 1970, AND REVISED JANUARY 1, 1978, OR EQUIVALENT STRESS GRADES OF WESTERN WOOD PRODUCTS ASSOCIATION FOR STRUCTURAL DOUGLAS FIR.

BLOCKING AND BRIDGING - PROVIDES AS FOLLOWS:

A. 2" SOLID BLOCKING BETWEEN JOISTS AND RAFTERS OVER SUPPORT.
B. 2" x 3" (MIN) CROSS BRIDGING BETWEEN JOISTS AND RAFTERS NOT OVER 8'-0" O.C. NOR MORE THAN 8'-0" FROM SUPPORT.
C. OMIT CROSS BRIDGING BETWEEN CELING JOISTS AND RAFTERS 2 x 8 AND SMALLER.
D. CONTINUOUS 2" HERRINGBONE BRIDGING, SLOPE 3 IN 12. AT MID-HEIGHT OF STUDS OR SO SPACED THAT UNBRACED LENGTH OF STUDS SHALL NOT EXCEED 8'-0" EXCEPT WHERE WALL FINISH OR PLYWOOD SHEATHING AT SHEAR WALLS CALLS FOR SOLID HORIZONTAL BLOCKING WHERE JOISTS SPAN BETWEEN CONCRETE OR MASONRY WALLS, STEEL PLATE ANCHOR CONNECTORS SHALL BE PROVIDED AT EACH END OF THE SAME JOIST; SUCH CONNECTED JOISTS SPACED NOT OVER 48" ON CENTER. WHERE A JOIST OR STUD IS PLACED AGAINST CONCRETE OR MASONRY WALL, BOLT TO WALL WITH 3/4" ø A.B. AT NOT OVER 48" O.C.

DOUBLE TOP PLATES OF EXTERIOR WALLS SHALL NOT BE CUT TO LAP THE TOP PLATES OF INTERSECTING WALLS, EXCEPT AT EXTERIOR WALL CORNERS OR AS OTHERWISE NOTED ON DRAWINGS.

PIPES EXCEEDING ONE-THIRD OF THE PLATE WIDTH SHALL NOT BE PLACED IN PARTITIONS USED AS BEARING OR SHEAR WALLS, UNLESS OTHERWISE DETAILED OR COMPLETELY FURRED CLEAR OF THE STUDS. PIPE SHALL PASS THRU THE CENTER OF THE PLATES USING A NEATLY BORED HOLE. NO NOTCHING WILL BE ALLOWED.

LAGSCREWS SHALL BE SCREWED (NOT DRIVEN) INTO PLACE. DRILL HOLE SAME DIAMETER AND DEPTH AS SHANK, THEN DRILL HOLE SAME DIAMETER AS AT BASE OF THREAD FOR THE THREADED PORTION. USE PLATE WASHERS AS REQUIRED FOR SAME BOLT SIZE.

BOLTS IN WOOD SHALL BE MACHINE BOLTS, UNLESS OTHERWISE NOTED. ALL MACHINE BOLTS SHALL HAVE CUT THREADS.

BOLT HOLES IN WOOD AND STEEL SHALL BE THE DIAMETER OF THE BOLT PLUS 1/16". PROVIDE SQUARE PLATE WASHER UNDER HEAD AND NUT WHERE BEARING IS AGAINST WOOD. WASHER WILL NOT BE REQUIRED UNDER HEAD OF CARRIAGE BOLTS, UNLESS OTHERWISE NOTED. LENGTH OF THREAD SHALL BE SUCH THAT THREADS DO NOT BEAR AGAINST WOOD OR STEEL. ALL NUTS SHALL BE TIGHTENED WHEN PLACED AND RETIGHTENED AT COMPLETION OF THE JOB OR IMMEDIATELY BEFORE CLOSING WITH FINISH CONSTRUCTION.

BOLT DIAMETER	SQUARE STEEL PLATE WASHERS	BOLT DIAMETER	SQUARE STEEL PLATE WASHERS
1/2"	2 x 2 x 1/4"	7/8"	3 1/2 x 3 1/2 x 3/8"
5/8"	2 1/2 x 2 1/2 x 1/4"	1"	3 1/2 x 3 1/2 x 3/8"
3/4"	3 x 3 x 5/16"	1-1/8"	4 x 4 x 7/16"
		1-1/4"	4 1/2 x 4 1/2 x 1/2"

MALLEABLE IRON WASHERS MAY BE USED IN LIEU OF SQUARE STEEL PLATE WASHERS.

PLYWOOD SHEATHING

WHERE NOTED ON STRUCTURAL PLANS, ROOFS, EXTERIOR SHEAR WALLS, INTERIOR SHEAR WALL PARTITIONS, SHALL BE SHEATHED WITH DOUGLAS FIR PLYWOOD, STRUCTURAL I; C-D OR BETTER, WITH EXTERIOR GLUE.

ALL PLYWOOD SHEATHING USED STRUCTURALLY SHALL EXTEND CONTINUOUSLY BEHIND ALL FINISH. WHERE IT IS TO BE PLASTERED, IT SHALL BE PROTECTED BY AN UNBROKEN LAYER OF MOISTURE-TIGHT PAPER UNDER LATHING.

IN GENERAL, PLYWOOD SHEETS, SHALL BE 4'-0" x 8'-0" AT WALLS, AND AT ROOFS. THE LONG DIMENSION MAY BE LAID EITHER HORIZONTALLY OR VERTICALLY AT WALLS. ROOF SHEETS SHALL BE LAID WITH FACE PLIES ACROSS JOISTS OR ROOF FRAMING MEMBERS AND WITH END JOINTS STAGGERED 4'-0". ALL PLYWOOD JOINTS SHALL BE ACCURATELY CENTERED ON SUPPORTING ELEMENTS, INCLUDING BLOCKING. BLOCKING BETWEEN STUDS SHALL BE 3 X STUD DEPTH. BLOCKING BETWEEN JOISTS FOR PLYWOOD EDGE NAILING SHALL BE 2 X 4 MINIMUM FLAT BLOCKING, EXCEPT WHERE DETAILED OTHERWISE. ALL ROOF, FLOOR & WALL PLYWOOD SHALL BE BLOCKED. SEE S-6 FOR DETAILS.

NAILING

ALL NAILS SHALL BE COMMON WIRE NAILS. WHERE NAILS TEND TO SPLIT THE WOOD, NAIL HOLES SHALL BE PRE-DRILLED. (DIA. OF PRE-DRILLED HOLE NOT TO EXCEED 3/4 DIAMETER OF NAIL).

SCHEDULE OF MINIMUM PERMISSIBLE CONNECTION

DETAILS		
STUDS TO BEARING	2 x 6 AND SMALLER	2-10D TOENAILS EA SIDE (3-10D TOENAILS EA SIDE TOP AND BOTTOM AT EXTERIOR WALLS WHEN HEIGHT OF 2 x 6 @ 16 EXCEEDS 13' - 4")
	2 x 8 AND LARGER	3-10D TOENAILS EA SIDE (3-16D TOENAILS EA SIDE TO REDWOOD SILL WHEN 3 x 8 @ 16 EXCEEDS 20' - 0")
	3 x 4 AND LARGER	2-10D TOENAILS EA FACE
SOLE PLATES (ON SHEATHING)	PERPENDICULAR TO JOISTS	2-20D EACH JOIST
	PARALLELED TO JOISTS	20D @ 8" O.C. STAGGERED
DOUBLE 2" TOP TOP PLATES (USE 30D FOR 3" PLATE)	LOWER PLATE TO STUD	2-20D FOR 2 x 6 STUDS OR SMALLER; 3-30D FOR 2 x 8; 2-20D FOR 3 x 4 STUDS 16D @ 12" O.C. (MIN) LAP 4' - 0" WITH 16-16D EA LAP) SEE PLANS FOR SPECIAL CONDITION
	LAP AT INTERSECTIONS	3-16D
JOIST OR RAFTERS	TO BEARING	2-10D TOENAILS EACH SIDE
	TO SIDE OR EDGE OF STUD	3-16D FOR 8" DEPTH JOIST OR LESS AND 1-16D FOR EA ADDITIONAL 4" IN DEPTH OF JOIST
	TO PARALLELING MEMBERS (PLATES, ETC.)	16D @ 12" O.C.
	ALL LAPS (12" MIN.)	4-16D
BLOCKING	TO JOISTS OR RAFTERS	2-10D TOENAILS EACH SIDE EACH END
	TO BEARINGS	2-10D TOENAILS EACH SIDE
HEERINGBONE BRIDGING	TO STUDS	2-10D
CROSS BRIDGING	TO JOIST OR RAFTERS	2-8D
MULTIPLE STUDS	EACH LAYER	16D @ 8" O.C.
BUILT-UP BEAMS	EACH LAYER	16D @ 8" O.C. FOR BEAMS LESS THAN 19" IN DEPTH ONLY
(MULTIPLE JOISTS)		1/2" BOLTS @ 24" O.C. STAGGERED FOR BEAMS 10" OR GREATER IN DEPTH
DOUBLE JOIST UNDER	WHERE NOT BLOCKED APART	16D @ 6" O.C.
PARTITIONS	WHERE BLOCKED APART	3-16D EACH BLOCK EACH SIDE (BLOCKS 2 x @ 24" O.C.)

PLYWOOD SHEATHING	PW NAILING LOCATION (SEE PLANS & STRUCTURAL SECTIONS)	PW AT LOCATIONS AS INDICATED ON STRUC.PLANS	PW AT OTHER PARTITIONS THAT ARE SHOWN ON ARCHITECTS PLANS
1 1/8" THICKNESS @ ROOF; 5/8" THICKNESS @ FLOORS; 1/2" THICKNESS @ WALLS	AT ALL EDGES OF SHEET AND WHERE CALLED OUT AS "EDGE NAILING" (E.N.)	10D @ 4" O.C. U.O.N.	8D @ 6" O.C.
	AT ALL OTHER CONTACTS UNLESS OTHERWISE NOTED	10D @ 12" O.C.	8D @ 12" O.C.
NOTE: SEE PLANS AND SECTIONS FOR SPECIAL NAILING. SEE a-a & b-b/S6 FOR PW NAILING @ TJ	AT DOUGLAS FIR SILLS	10D @ 4" O.C. UON	8D @ 8" O.C.
	AT REDWOOD SILLS	10D @ 3" O.C. UON.	8D @ 6" O.C.

CEILING STRIPPING (WHERE APPLICABLE)

2 X NOMINAL — 2-16D 1 STRAIGHT, 1 SLANT AND SUB-BORED AT JOINT

CEILING STRIPPING AT PLASTERED CEILINGS OR CEILINGS WITH GYPSUM BOARD SHALL HAVE IN ADDITION TO NAILING, 16 GA. GALVANIZED ANNEALED WIRE TIGHTLY SADDLE-LOOPED AROUND EACH STRIP AT 48" O.C. STAGGERED AND SECURELY FASTENED TO THE SIDE OF THE CEILING JOIST WITH 1-16D THRU NAIL OR 1-1 3/4" BARBED ROOFING NAIL AT EACH SIDE AND AT LEAST 2" ABOVE BOTTOM OF JOIST. WIRES MAY BE LOOPED AROUND THE FULL JOIST INSTEAD OF USING NAILS. AT THE CONTRACTOR'S OPTION THE WIRES MAY BE OMITTED IF THE STRIPPING IS NAILED WITH "STRONGHOLD" COMMON NAILS (SAME SIZE AND NUMBER AS COMMON WIRE NAILS LISTED ABOVE).

NAILING NOT NOTED ABOVE OR ON DETAILS SHALL BE AT LEAST 2 NAILS AT ALL CONTACT POINTS, USING 8D THROUGH 1" MATERIAL AND 16D THROUGH 2" MATERIAL. WHERE CONTACTING MEMBERS ARE PARALLELED, USE 8D @ 12" O.C. THROUGH 1" MATERIAL AND 16D @ 12" O.C. THROUGH 2" MATERIAL.

ALL WOOD WINDOW AND DOOR FRAMES SHALL BE SECURED IN PLACE. BLOCK OUT SOLIDLY BETWEEN JAMBS AND CRIPPLES OR MULLIONS; ONE NEAR TOP AND BOTTOM AND NOT OVER 24" O.C. BETWEEN, NAIL TO EACH BLOCK WITH 2-16D CASING NAILS SET 1/8".

STRUCTURAL GLUED LAMINATED MEMBERS

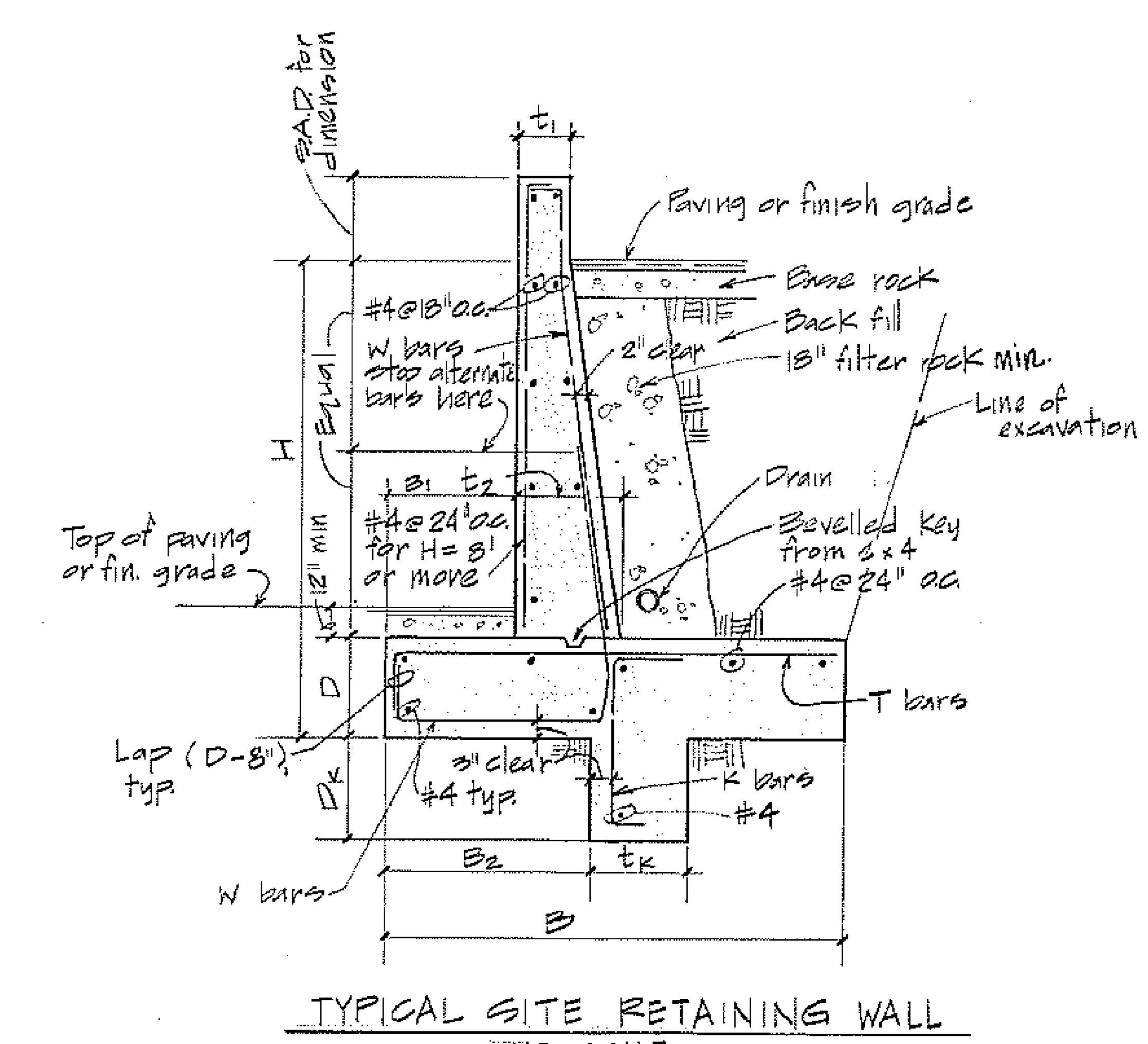
ALL STRUCTURAL GLUED LAMINATED MEMBERS SHALL BE COMBINATION 24F FABRICATED AND ERECTED IN ACCORDANCE WITH UBC STANDARD NO. 25-10 AND 2511 EXCEPT AS MODIFIED BY T21-2511.

ADHESIVE SHALL BE EXTERIOR TYPE ADHESIVE MEETING REQUIREMENTS OF MILITARY SPECIFICATION MIL-A-397B.

THE FABRICATOR SHALL FURNISH LAMINATING REPORT SIGNED BY A QUALIFIED INSPECTOR.

SITE RETAINING WALL SCHEDULE

H	B	B_1	B_2	D	D_K	t_1	t_2	t_K	W bars	T bars	K bars
3' to 5'	3'-0"	6"	—	1'-0"	—	8"	1'-0"	—	#4@12" o.c.	#4@24" o.c.	—
5'+ to 8'	5'-0"	1'-6"	—	1'-6"	—	10"	1'-2"	—	#5@12" o.c.	#4@12" o.c.	—
8'+ to 11'	7'-0"	2'-0"	3'-0"	1'-6"	1'-6"	10"	1'-6"	1'-6"	#7@12" o.c.	#6@12" o.c.	#4@12" o.c.
11'+ to 14'	9'-0"	4'-0"	5'-0"	1'-6"	2'-0"	10"	1'-6"	1'-6"	#10@12" o.c.	#6@12" o.c.	#5@12" o.c.
14'+ to 17'	11'-0"	5'-0"	6'-0"	2'-0"	4'-0"	10"	1'-6"	1'-6"	#11@10" o.c.	#7@10" o.c.	#7@10" o.c.



TYPICAL SITE RETAINING WALL

NO SCALE

NOTE: See Arch. dwgs. for exact location & top of wall elevations.

ARCHITECT / STRUCT. ENGINEER / CONSULT. ENGINEER

LEGGIO DAZZARO & ASSOCIATES, INC. Consulting Civil & Structural Engineers, 15 Shattuck Square, Berkeley, Calif. 94704, (415) 841-1441

OFFICE OF THE STATE ARCHITECT, STRUCTURAL SAFETY SECTION — APPLICATION NO. 42256 — AUG 27 '79 — Per [signature]

COMETTA AND CIANFICHI, 3516 MACDONALD AVENUE, RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE, 1200 CONTRA COSTA BLVD., CONCORD, CALIF. 686-2292
E. A. COMETTA · J. S. NANCE, ARCHITECT · J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

GENERAL NOTES, STRUCTURAL DETAILS

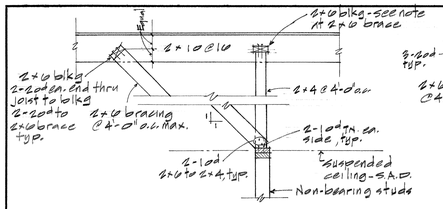
APPLIED ARTS & ADMINISTRATION COMPLEX

CONTRA COSTA COLLEGE, SAN PABLO, CALIFORNIA

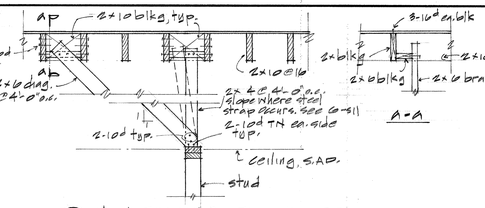
SHEET S1 OF

DATE 8-24-79

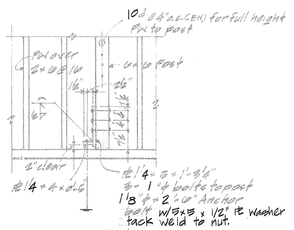
JOB No. 770-71A



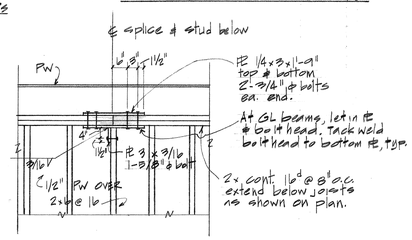
(31) NON-BEARING STUD WALL BRACING
STUDS PERPENDICULAR TO JOISTS



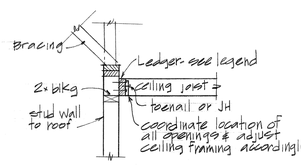
(30) NON-BEARING STUD WALL BRACING
STUDS PARALLEL TO JOISTS



(29) TIEDOWN #3 (TD-3)



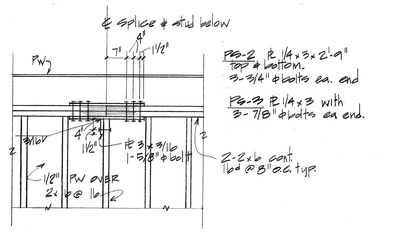
(27) PLATE SPLICE (PS-1)



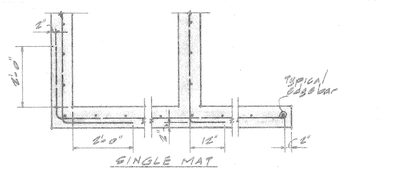
LEGEND OF CEILING JOIST SIZE		
Joist size	Max. span	At full height stud wall
2x4@16	8'-0"	2x4 ledger, 2-16d each stud @ 16" o.c. Joist to ledger, 2-10d toenails ea. side.
2x6@16	12'-0"	2x6 ledger-nailing same as 2x4
* 2x8@16	14'-0"	2x8 ledger, 3-16d ea. stud @ 16" oc. Joist to ledger, JH
* 2x8@16	16'-0"	2x8 ledger, 3-16d ea. stud Joist to ledger, JH.

1. * Solid blkg. @ midpoint of joists and at ends.
2. Contractors option to use ceiling joists spanning from wall to wall or hung from roof as shown on section.

(26) CEILING JOIST SCHEDULE
See Sht. S10 for typical details at truss joists

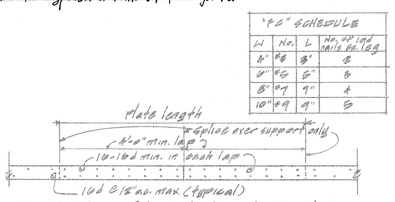


(28) PLATE SPLICE 2 (PS-2)
PLATE SPLICE 3 (PS-3)
see note above for GL condition

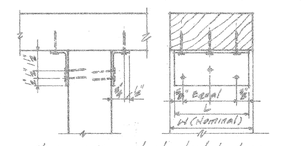


(22) TYPICAL REINFORCEMENT AT WALL AND FOOTING CORNERS

"PZ" SCHEDULE			
H	No.	L	No. of 10d nails ea. leg
4"	#3	3"	2
6"	#5	5"	3
8"	#7	7"	4
10"	#9	9"	5

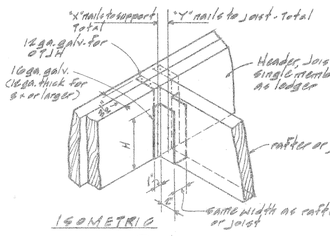


(25) PLAN OF TYPICAL TOP PLATE SPLICE
(unless otherwise shown)
(use 3ød for 3x plates)



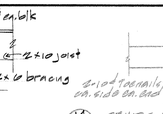
clips are 16ga. sheet steel, bent on ½" radius, install in pairs unless noted. Cut nails to length where necessary. Drill holes ⅛₆₄" in diameter for 10d nails

(23) SHEET METAL FRAMING CLIP "PZ"

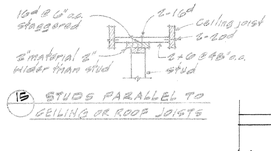


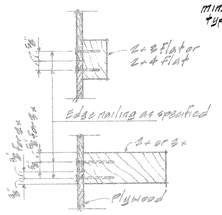
Joist size		DIM. H	NAILS X	NAILS Y
6"+4 6"+6	6"+4	5"	4-10d 4-10d	2-10d
8"+6 8"+8	8"+6 8"+8	5"	6-10d 6-10d	4-10d
8"+10	8"+12	8½"	10-16d	6-10d
8"+14	8"+16	10"	12-16d	8-10d
8"+8 10"+8	8"+8	6⅝"	10-16d	4-10d 4-10d
8"+10 10"+10	8"+10	8⅝"	14-16d	6-10d 6-10d
8"+12 10"+12	8"+12	10⅝"	16-16d	6-10d 6-10d
8"+14 10"+14	8"+14	11⅞"	18-16d	6-10d 6-10d
8"+16 10"+16	8"+16	15⅝"	20-16d	8-10d 8-10d

(24) JOIST HANGER (JH OR OTJH) SCHEDULE



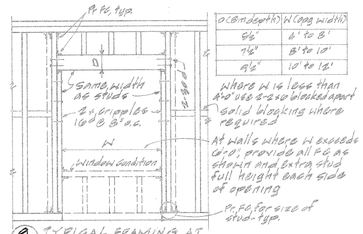
(14) STUDS PERPENDICULAR TO CEILING JOISTS





(10) PLYWOOD SPLICE
Note: Predrill if splitting of wood occurs

(33) TYPICAL FRAMING FOR ROOF OPENINGS AT TJM FRAMING
(unless noted otherwise)



O (min. depth)	W (opg width)
6'6"	4' to 8'
7'6"	8' to 12'
9'6"	12' to 16'

Where W is less than 4'-0" use 2-2x6 blocked apart w/ solid blocking where required

At walls where W exceeds 4'-0", provide all ℄ as shown and extra stud full height each side of opening

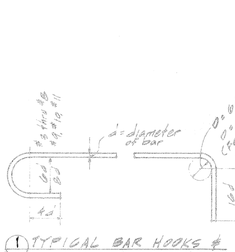
℄ typ. for size of stud - typ.

(9) TYPICAL FRAMING AT DOORS & WINDOWS
(not otherwise shown)

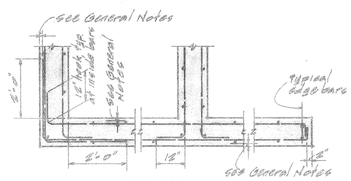


No holes or notches permitted in bottom of beam or joists. No holes or notches permitted where depth of beam is 6" or less

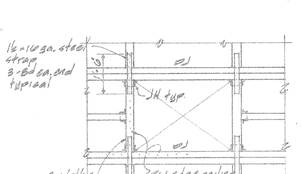
(8) HOLES & NOTCHES IN BEAMS & JOISTS



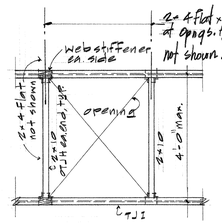
(1) TYPICAL BAR HOOKS & ANCHOR BOLT HOOKS



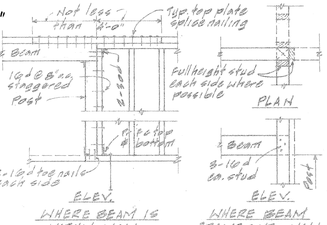
(2) TYPICAL REINFORCEMENT AT WALL & FOOTING CORNERS



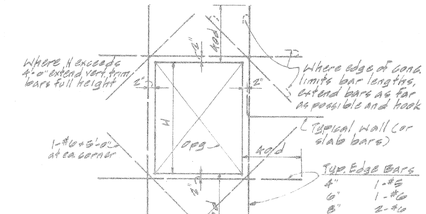
(17) TYPICAL FRAMING AT ALL OPENINGS IN ROOF
(unless shown otherwise)



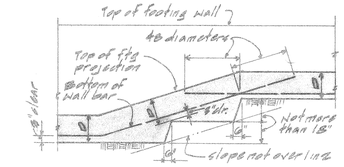
(32) TYPICAL FRAMING AT OPENINGS AT TJI



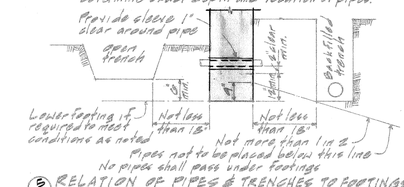
(10) POST & BEAM CONNECTIONS
(unless otherwise shown)



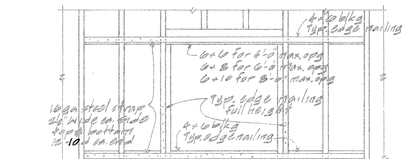
(3) TYPICAL REINFORCEMENT AROUND OPENINGS IN CONC. WALLS & PTG WALLS
Unless otherwise noted on other structural dwgs (similar for openings at supported slabs)



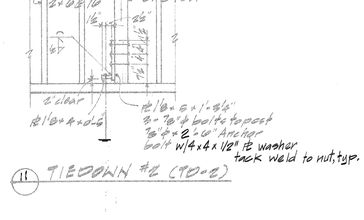
(4) TYPICAL STEPPED FOOTINGS
See foundation plan where required or as required due to field conditions



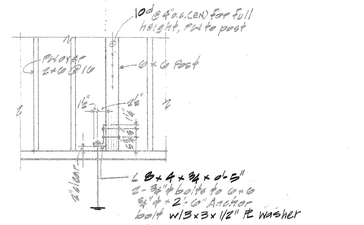
(5) RELATION OF PIPES & TRENCHES TO FOOTINGS
(Applies also to piers, column footings, etc.)



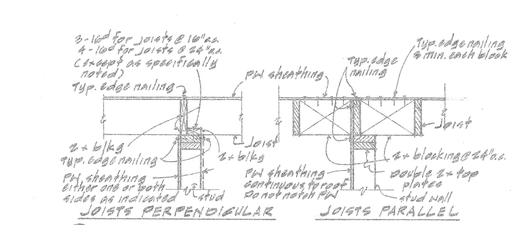
(18) TYPICAL MECH. & ELECT PANEL OPENING IN PW SHEAR WALL



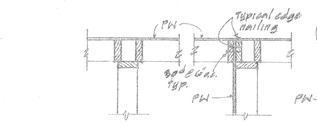
(11) TIEDOWN #2 (TD-2)



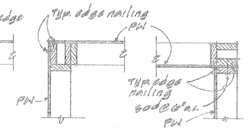
(12) TIEDOWN #1 (TD-1)



(19) SHEAR WALL SHEATHING CONNECTION

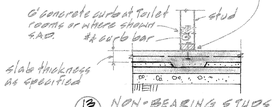


(20) INTERSECTING EXTERIOR STUD WALL FRAMING

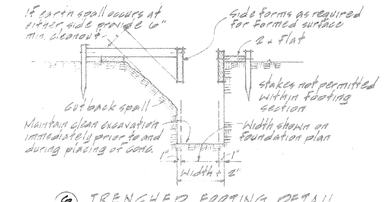


(21) FRAMING AT EXTERIOR STUD WALL CORNERS

At interior non-bearing and non-sheathed walls with no curb, power-driven stud, ℄ ø with 1¼" penetration into concrete, shot thru ¼" ø x 1" ø washers @ 32" o.c. maximum may be used in lieu of typical ⅝" ø x 8" bolts @ 48" o.c. Where curb occurs, typical sill bolts shall be ⅝" ø x 12" @ 48" o.c.



(13) NON-BEARING STUDS ON SLAB ON GROUND
(unless noted otherwise)



(6) TRENCHED FOOTING DETAIL
Applicable where side forms can be omitted, and approved by the Architect

COMETA AND CIANFICHI
5510 MCDONALD AVENUE RICHMOND, CALIF. 232-2657
CONFER & CROSSEN
1260 CONTRA COSTA BLVD CONCORD, CALIF. 686-2292
E.A. COMETTA, COST ESTIMATOR J.S. NANCA, ARCHITECT P.D. CIANFICHI, ARCHITECT J.R. CROSSEN, ARCHITECT P.W. CONFER
ARCHITECTURAL FIRMS ASSOCIATED ARCHITECTURAL ENGINEERING CONSULTANTS

ARCHITECT

STRUCT. ENGINEER

L/R LEONARD BAZZANO & ASSOCIATES, INC.
Consulting Civil & Structural Engineers
1442A Walnut St. Berkeley, Calif. 94709 (415) 841-4411

CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
4235-6
APPLICATION NO. 27 79
JUL 16 1979

TYPICAL STRUCTURAL DETAILS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
OCCCD
CALIFORNIA

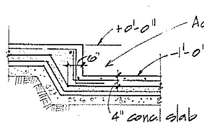
SHEET S2
OF
DATE 8-24-79
JOB No. 770-71A

FOUNDATION AND FIRST FLOOR FRAMING PLAN

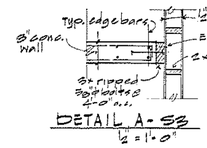
1/8" = 1'-0"

Notes:

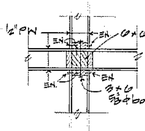
1. See General Notes sht. S1 & S2 for typical structural details not shown herein
2. See Arch't., Mech., Plumbing & Elect. drawings for pertinent information not shown herein. Verify all items with respective trades prior to pouring concrete footings.
3. All dimensions are to ℄ of studs, conc. walls or columns as shown or noted.
4. All stud walls are 2x6 @ 16" o.c. unless noted otherwise.
5. +0'-0" = Elev. +87.0'. See Arch't site plan sht. A1.3
6. All exterior stud walls shall be sheathed with ½" PW. Interior walls shall be sheathed with ½" PW as indicated.
7. ═══ ½" PW / ═══ ½" PW indicates plywood on one or both sides of walls for entire length of wall.
8. All shear walls shall have 3x Redwood sills with ⅝" ø sill bolts @ 32" o.c. U.O.N. Shear walls shall be stud walls sheathed with ½" PW.
9. ═══ indicates conc. walls, or 6" high conc. curbs
10. See General Notes sht. S1 for details of construction joints. "CJ".
11. TD-1, TD-2 indicates Tie Downs. See Details (12/S2) & (11/S2) respectively.
12. Elevation of bottom of footings shall be at -4'-0" and shall be at least -2'-0" below lowest adjacent finish grade unless shown otherwise.
13. Elev. thus "-3'-6" indicates elevation at bottom of footing.
14. Elev. thus -3'-6" / -4'-0" indicates elev. at each side of stepped footing. see detail (4/S2)
15. F.H. indicates column to be full height from foundation to roof indicated thus ▣
16. All bearing and shear walls shall have Redwood clear structural or No.1 sills with compression perpendicular to grain allowable stress fc = 425 psi., with 19% maximum moisture content.
17. ═══ Indicates Veneer Masonry - S.A.D.
18. 3x6 @ 16 - 10d's 2" o.c., ⅝" ø @ 24" o.c. indicates 3x6 studs @ 16" o.c. with plywood edge nailing 10d's 2" o.c. & ⅝" ø sill bolting @ 24" o.c. - typical for full length of wall.
19. See Architectural dwgs. for stud walls not shown.
20. Provide 2-2x6 studs under TJ bearings. See note 15, sht. S4.
21. See sht. A1.3 for conc. Aprons.



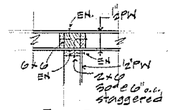
B-SS
1/2" = 1'-0"



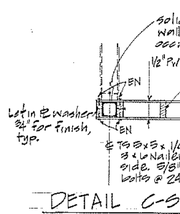
DETAIL A-SS
1/2 = 1'-0"



D-SS
TYPICAL DETAIL
1/2" = 1'-0"



E-SS
TYPICAL DETAIL



DETAIL C-SS
1/2" = 1'-0"
Typical at all TS columns U.O.N.

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 233-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF 686-2292
E. A. COMETTA, ARCHITECT J. S. NANCE, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS
J. E. CROSSEN, ARCHITECT F. W. CONFER

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Consulting Civil & Structural Engineers
3 Shattuck Square
Berkeley, Calif. 94704
(415) 841-1961

OFFICE OF THE STATE ARCHITECT
APPROVED UNDER PROVISIONS OF ADMINISTRATIVE CODE

42556

APPROVED
DSA

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

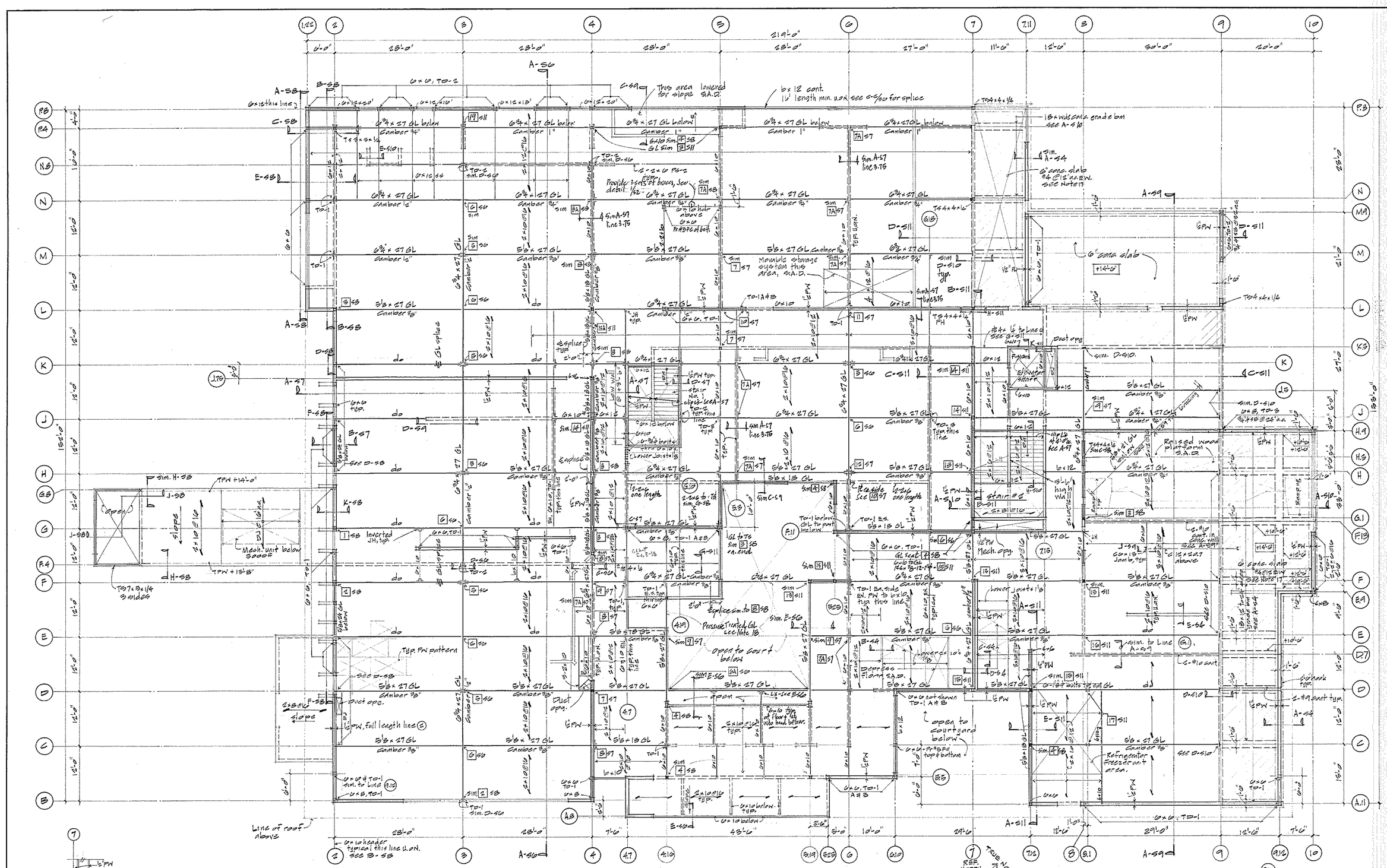
FOUNDATION & FIRST FLOOR FRAMING PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CCCCD
CONTRA COSTA COLLEGE
SAN PABLO
CALIFORNIA

SHEET
S3
OF

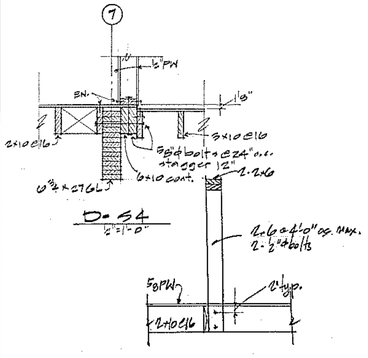
DATE
8-24-79

JOB No.
770-71A



SECOND FLOOR FRAMING PLAN

1/8"=1'-0"

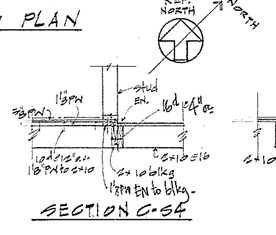


D-S4

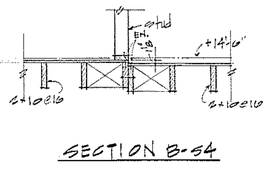
1/2"=1'-0"

SECTION E-S4

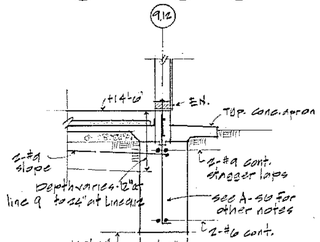
1/2"=1'-0"



SECTION C-S4



SECTION B-S4



SECTION A-S4

1/2"=1'-0"

Notes:

1. See General Notes sht. S1 & S2 for typical structural details not shown herein.
2. See Arch't, Mech. & Elect. drawings for information not shown herein.
3. All floor areas shall be sheathed with 5/8" PW.
4. All floor joists are 2x10 @ 16" unless otherwise noted. ⟶ indicates direction of joist span.
5. ✱ Indicates full height columns. See sht. S5 for size.
6. TO-1 indicates Tie down-1 above & below floor level.
7. See sht. S5 for other applicable notes & dimensions.
8. [5] S7 indicates connection Detail 5 on sheet S7.
9. See Detail (29/S2) & d-d/S11 for TO-3 detail.
10. PW edge nailing to all beams with Tie downs shall be 10d @ 4" o.c. full height.
11. Double joists under all partitions where partitions are parallel to joists & 4x blkg., same depth as joist @ partitions perpendicular to joists, with JH ea end.
12. 6 x 12 ss indicates 6 x 12 select structural lumber.
13. Provide 2-2x6 studs, full height of bldg, under all TJM bearings, typical. See section F-S8.
14. TO-1, A & B indicates Tie-down-1 above & below floor level. Provide TO below 2nd floor where Tie downs are at 2nd floor and foundation, typical.
15. Provide TO & 6x post in stud wall below second floor where TO and post are shown on 2nd floor plan.
16. Edge nail floor PW to 6x beams with TO at end.
17. Retaining wall adjacent to 6" conc. slab on grade shall be shored after being poured & for a period of 30 days after the 6" conc. slab has been poured.
18. All portions of glulam beams outside the building shall be pressure treated w/ preservative per AWPA C1-78 (5% pentachlorophenol retention).

ARCHITECT

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CONSULT. ENGINEER

LEONE-RIZZARDO & ASSOCIATES, INC.
Consulting Civil & Structural Engineers
15 Stanford Square
Berkeley, Calif. 94704
(415) 841-1441

DATE OF THIS ARCHITECT
STRUCTURAL SAFETY SECTION
4225.6
APPLICATION
AUG 27 '79
Per J.A. Meehan MAS
PROFESSIONAL ENGINEER

COMETTA AND CIANFICHI
5316 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, J. S. NANCE, ARCHITECT
P. D. CIANFICHI, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS
J. E. CROSSEN, ARCHITECT
P. W. CONFER

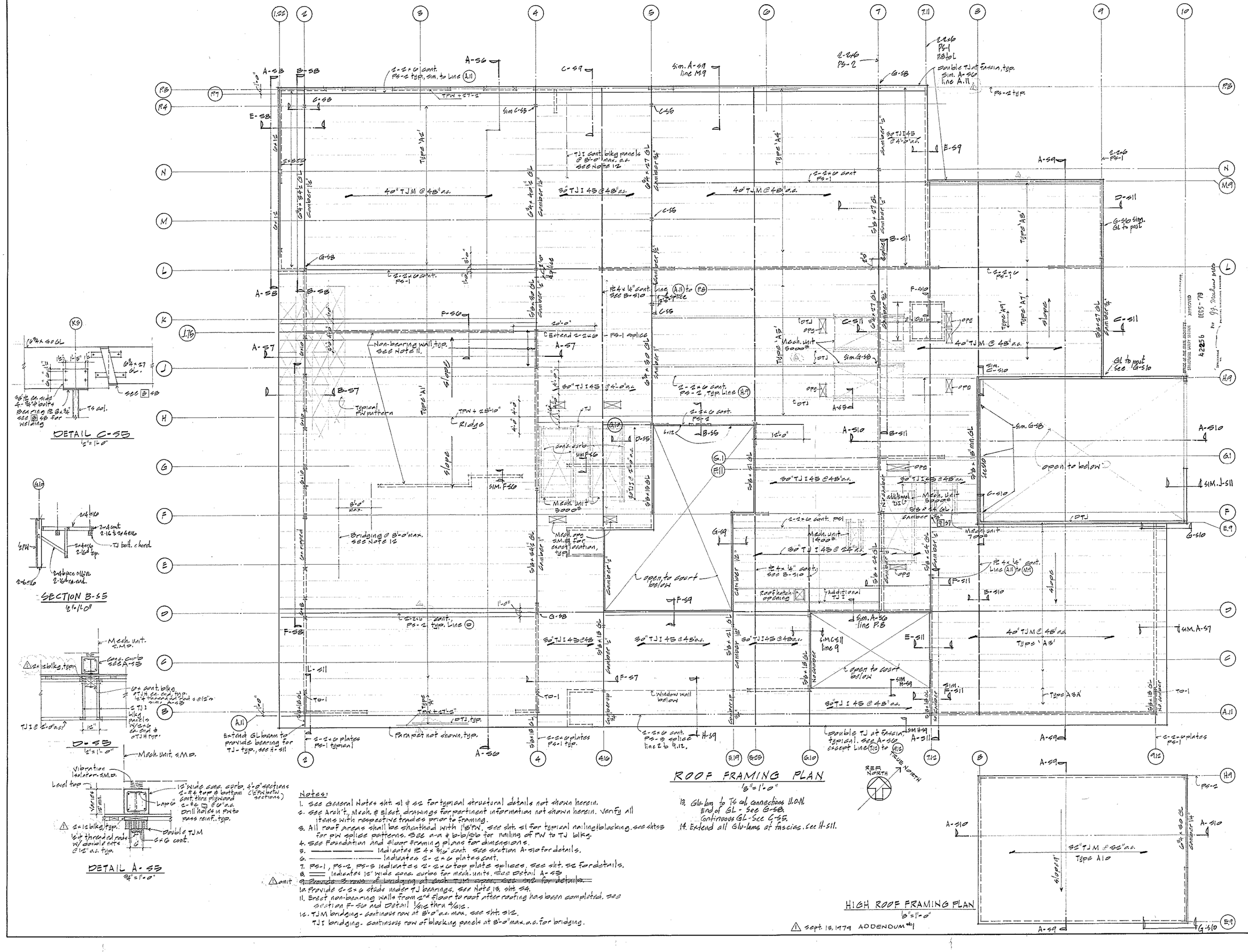
SECOND FLOOR FRAMING PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA
CCCCD

SHEET S4 OF 4

DATE 8-24-79

JOB No. 770-71A



COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, J. S. NANCE, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS
P. W. CONFER

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

KEMA-NORTH & ASSOCIATES, INC.
Consulting Civil & Structural Engineers
15 Shattuck Square
Berkeley, California 94704
(415) 841-1441

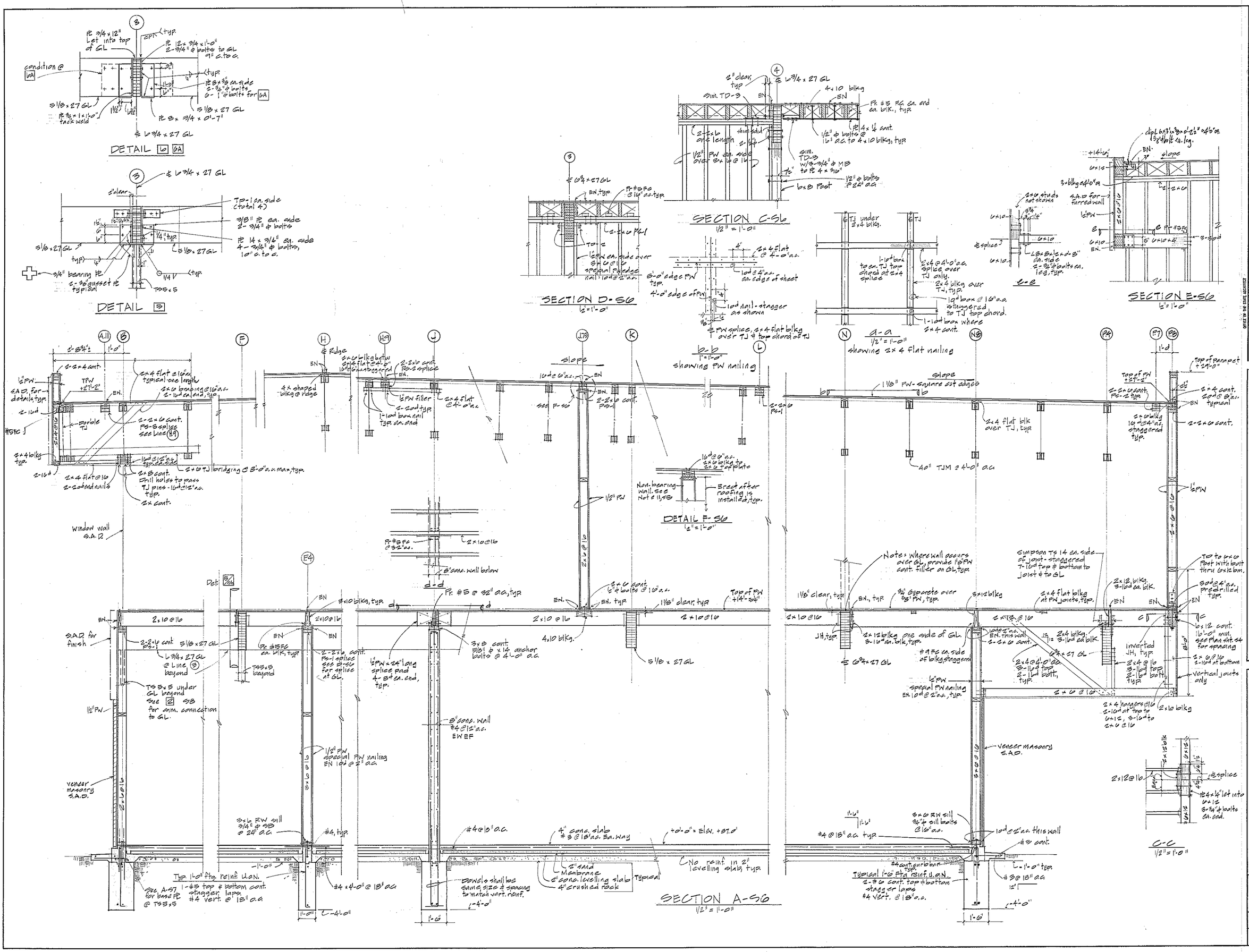
APPROVED
STRUCTURAL SAFETY SECTION
DEC 27 79
4225 Gross
For Y.A. Maklad-Ives
STRUCTURAL ENGINEER

APPROVED
DEC 5 - 79
42256
For Y.A. Maklad-Ives
STRUCTURAL ENGINEER

ROOF FRAMING PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
COUNTY OF CONTRA COSTA CALIFORNIA

SHEET S1
OF S2
DATE 8-24-79
JOB No. 770-71A



ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
APPROVED

4225 6

DATE 27 79

Pr. [signature] MAS

LEONI RAZZARO & ASSOCIATES, INC.
Consulting Civil & Structural Engineers
15 Sutter Square
Berkeley, California
(415) 841-1601

COMETTA AND CIANFICHI
5516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
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1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, ARCHITECT
P. D. CIANFICHI, ARCHITECT
J. E. CROSSEN, ARCHITECT
J. S. NANCE, ARCHITECT
F. W. CONFER
ASSOCIATED ARCHITECTURAL FIRMS

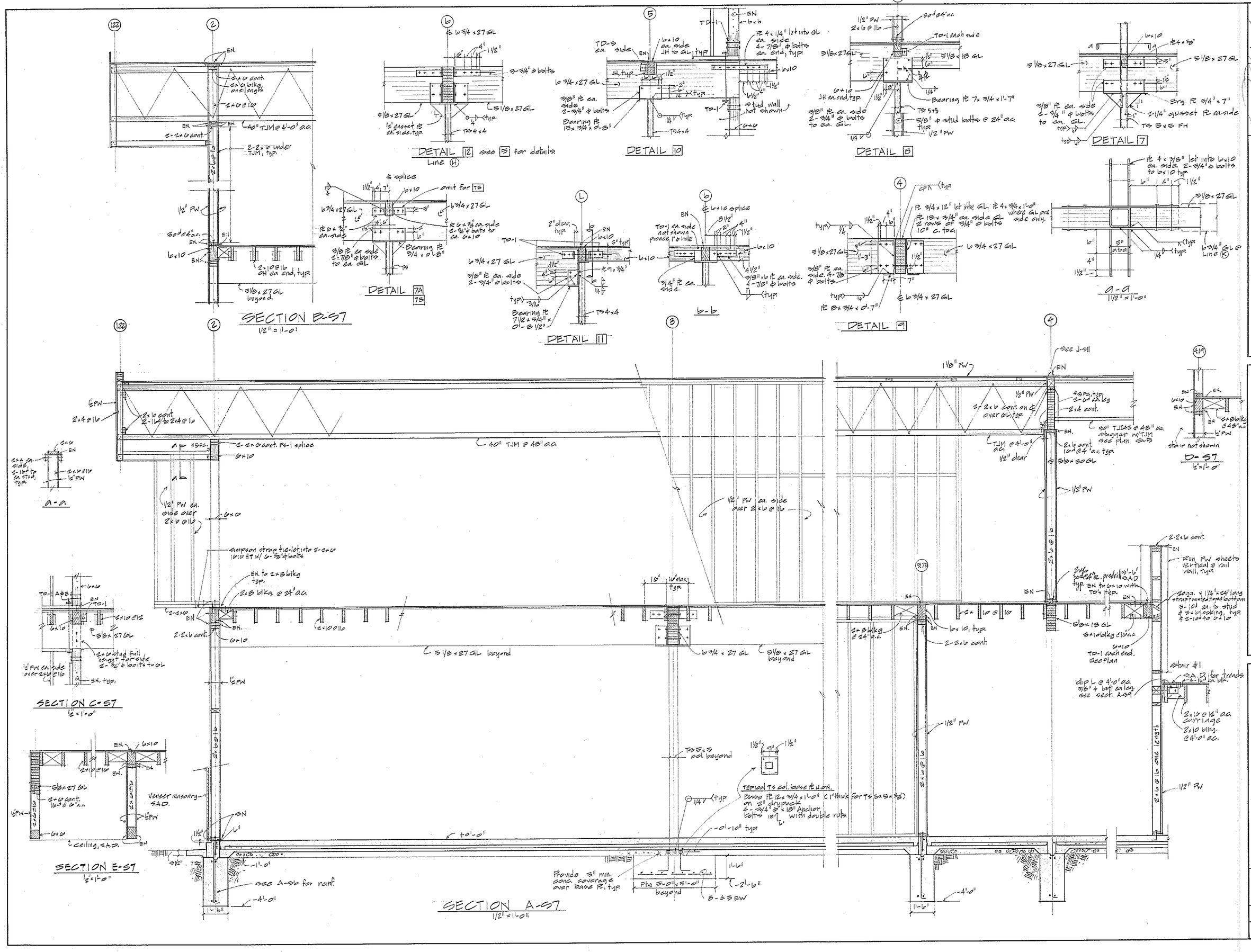
STRUCTURAL SECTIONS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CCCCD CALIFORNIA

SHEET S6 OF

DATE 8-24-79

JOB No. 770-71A



ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42256
85 27 78
Lee Mathews, Inc.

L. R. LEONE-MAZZARO & ASSOCIATES, INC.
Consulting Civil & Structural Engineers
Lee Stratford Square
Berkeley, Calif. 94704
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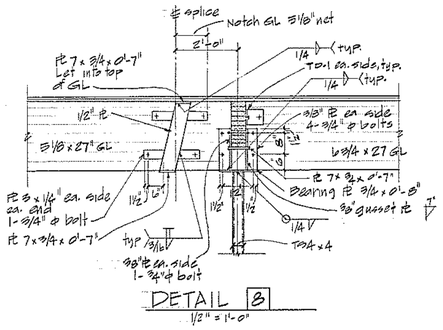
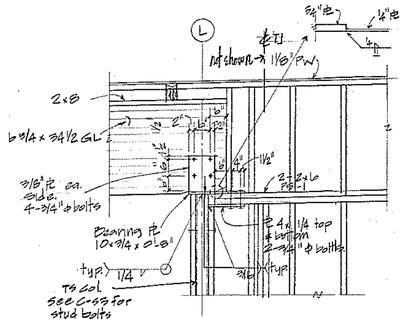
COMETTA AND CIANFICHI
5516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, J. S. NANCE, ARCHITECT, J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT, ASSOCIATED ARCHITECTURAL FIRMS, P. W. CONFER

STRUCTURAL SECTIONS
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO, CALIFORNIA
CCCCD

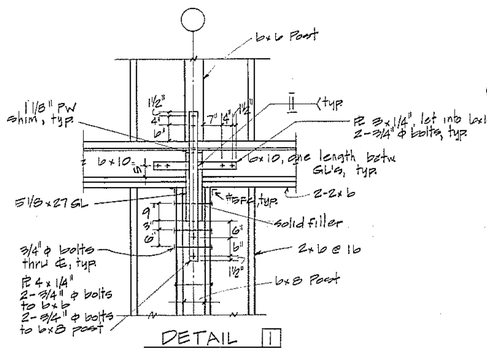
SHEET
OF
DATE 8-24-79
JOB No. 770-71A



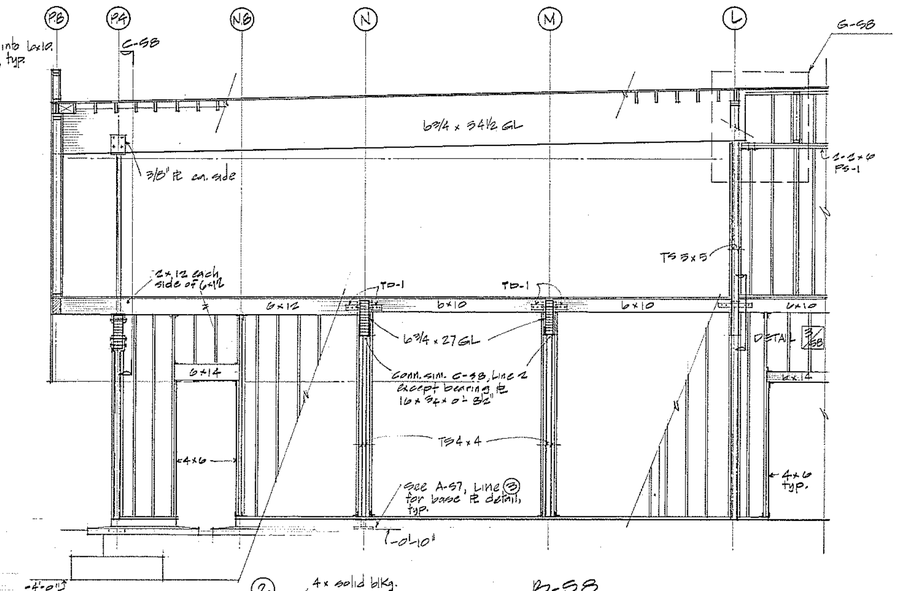
DETAIL B
1/2" = 1'-0"



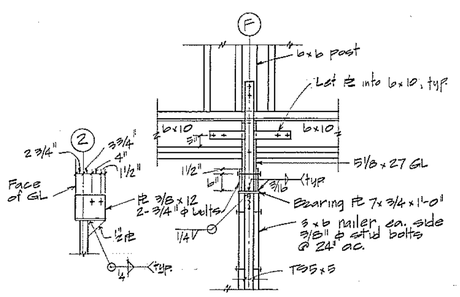
SECTION G-S8
1/2" = 1'-0" Line (2)



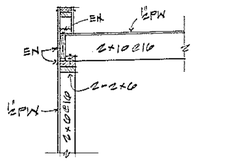
DETAIL 1



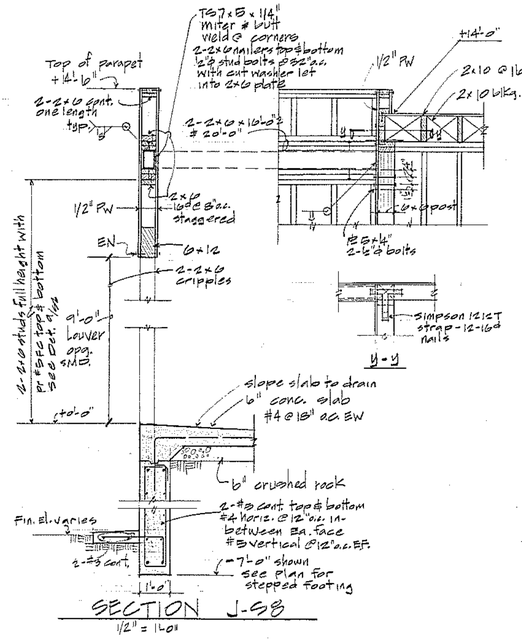
B-S8
FRAMING ELEVATION - LINE (2)
1/4" = 1'-0"



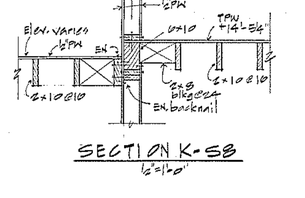
DETAIL 2
See Detail 1 for details not listed.



SECTION H-S8
1/2" = 1'-0"

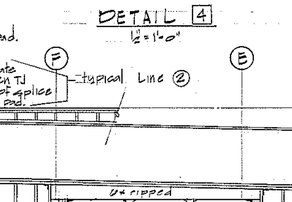


SECTION J-S8
1/2" = 1'-0"

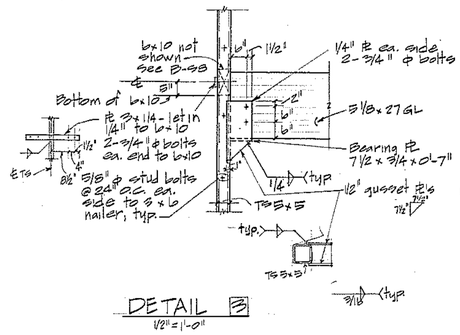


SECTION K-S8
1/2" = 1'-0"

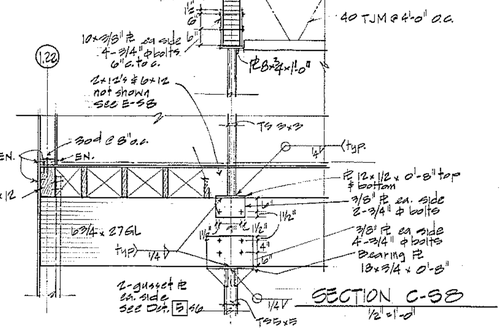
y-y

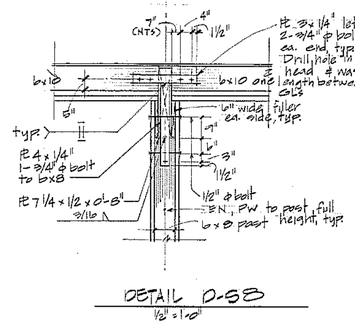


DETAIL 4
1/2" = 1'-0"



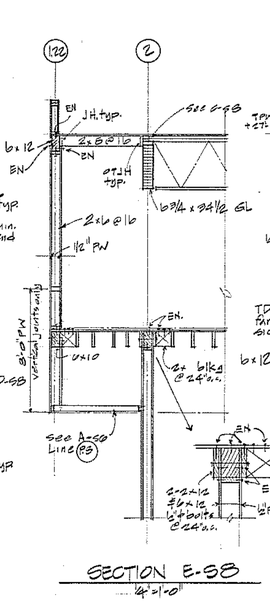
DETAIL 3
1/2" = 1'-0"



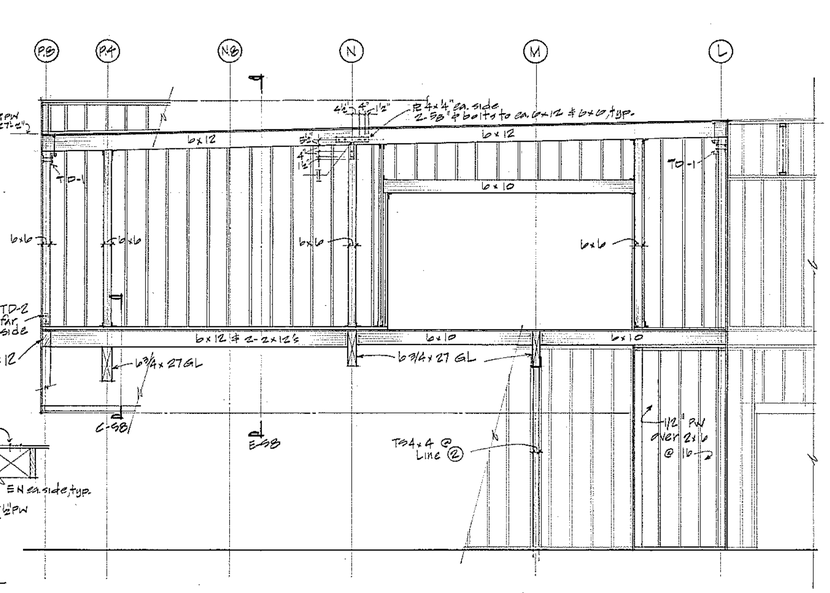


DETAIL D-S8

F-S8
FRAMING ELEVATION - LINE (2)
1/4" = 1'-0"



SECTION E-S8
1/4" = 1'-0"



A-S8
FRAMING ELEVATION - LINE (122)
1/4" = 1'-0"

COMETTA, AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2687
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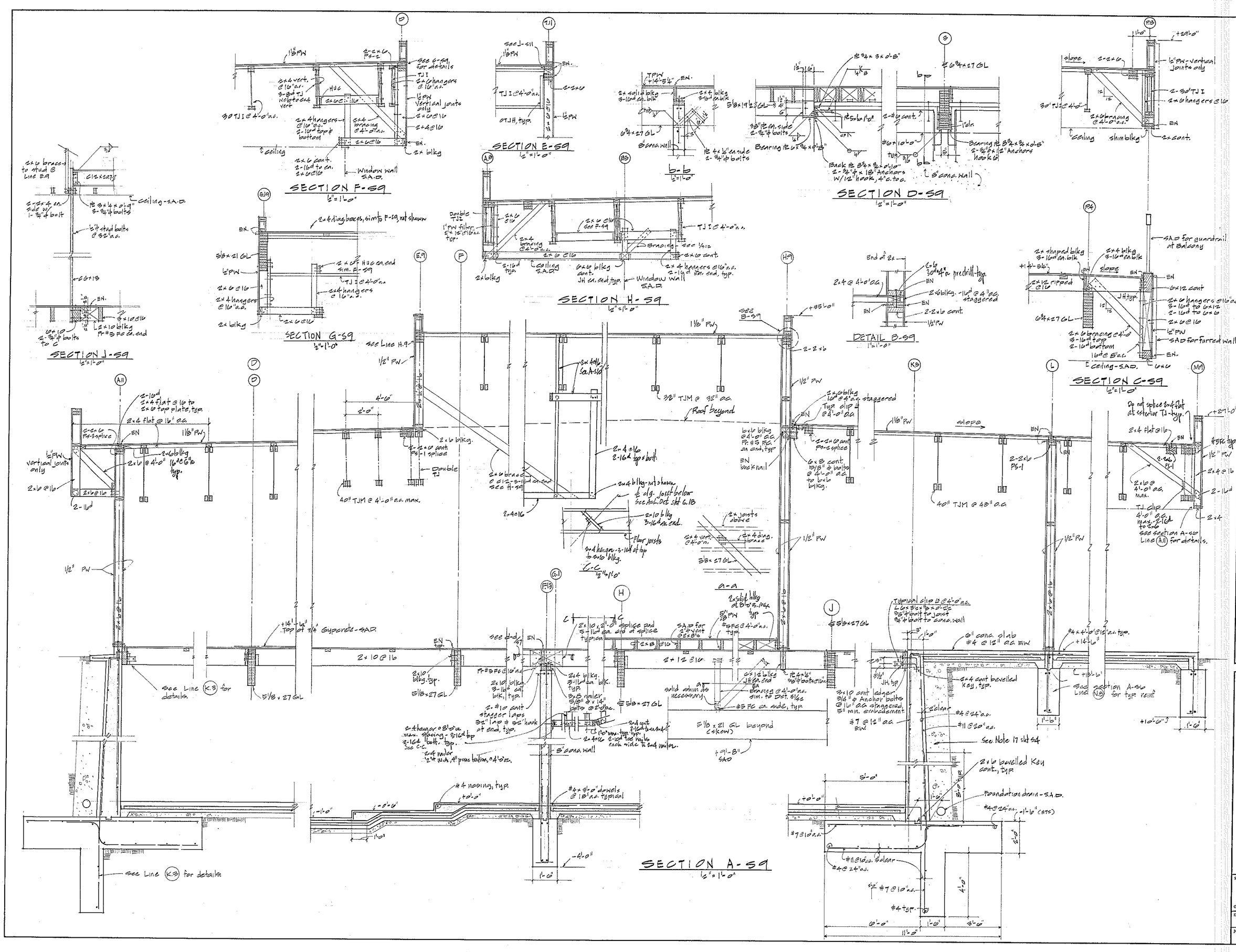
ARCHITECT
STRUCT. ENGINEER
CONSULT ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
DATE
For Joseph Moskow DSA
APP'L NO. 27 78
DSA FILE NO. 41235

STRUCTURAL SECTIONS

ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
CCCCD
CALIFORNIA

SHEET S7 OF S8
DATE 8-24-79
JOB No. 770-71A



ARCHITECT

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15 Stanford Square
Berkeley, Calif. 94704
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OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42256
APPROVED
MAR 27 '78
For Jg. Nuckow Mrs
Principal Structural Engineer

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
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J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS
J. E. CROSSEN, ARCHITECT
P. W. CONFER

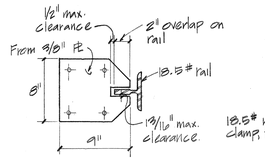
STRUCTURAL SECTIONS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CONCORD
CALIFORNIA

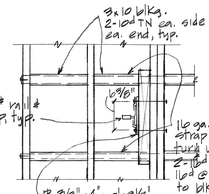
SHEET S9 OF

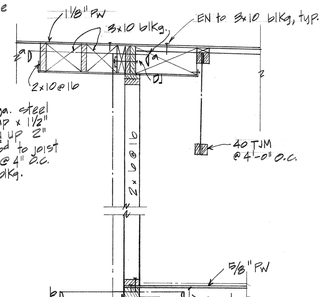
DATE 8-24-79

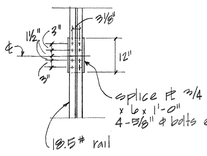
JOB No. 770-71A



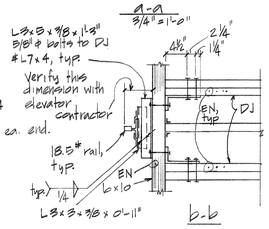
EARTHQUAKE SAFETY GUIDES
1/2" = 1'-0"
(4 required - top & bottom each side of car sling)





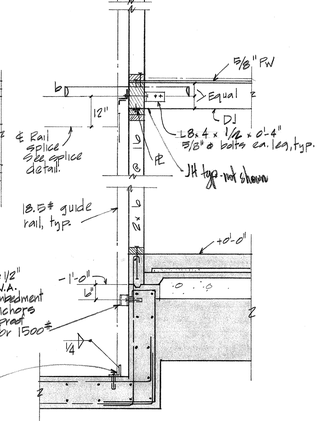


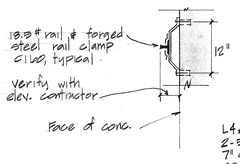
SPLICE DETAIL
1/2" = 1'-0"



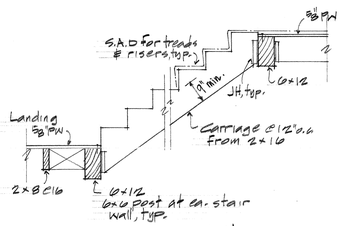
A-a
3/4" = 1'-0"

b-b

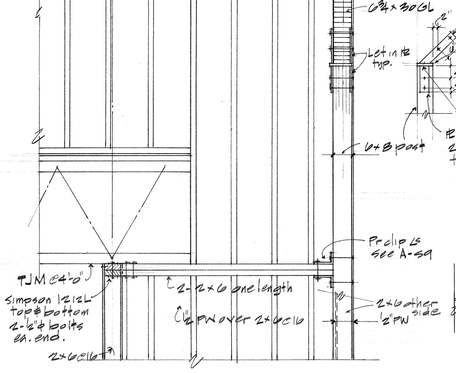




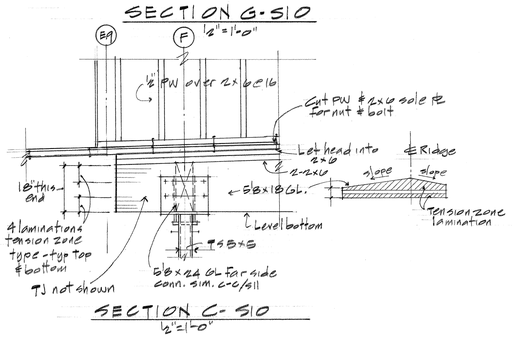
SECTION F-S10
1/2" = 1'-0"



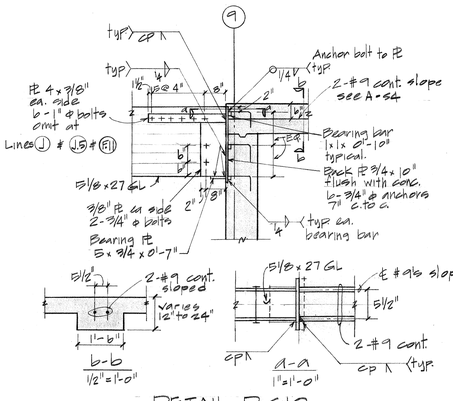
SECTION H-S10
1/2" = 1'-0"
typical at stairs #1 & #2



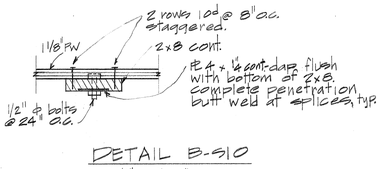
SECTION G-S10
1/2" = 1'-0"



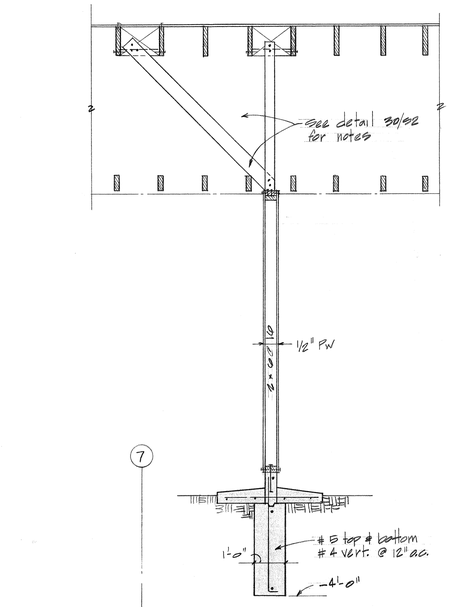
SECTION C-S10
1/2" = 1'-0"



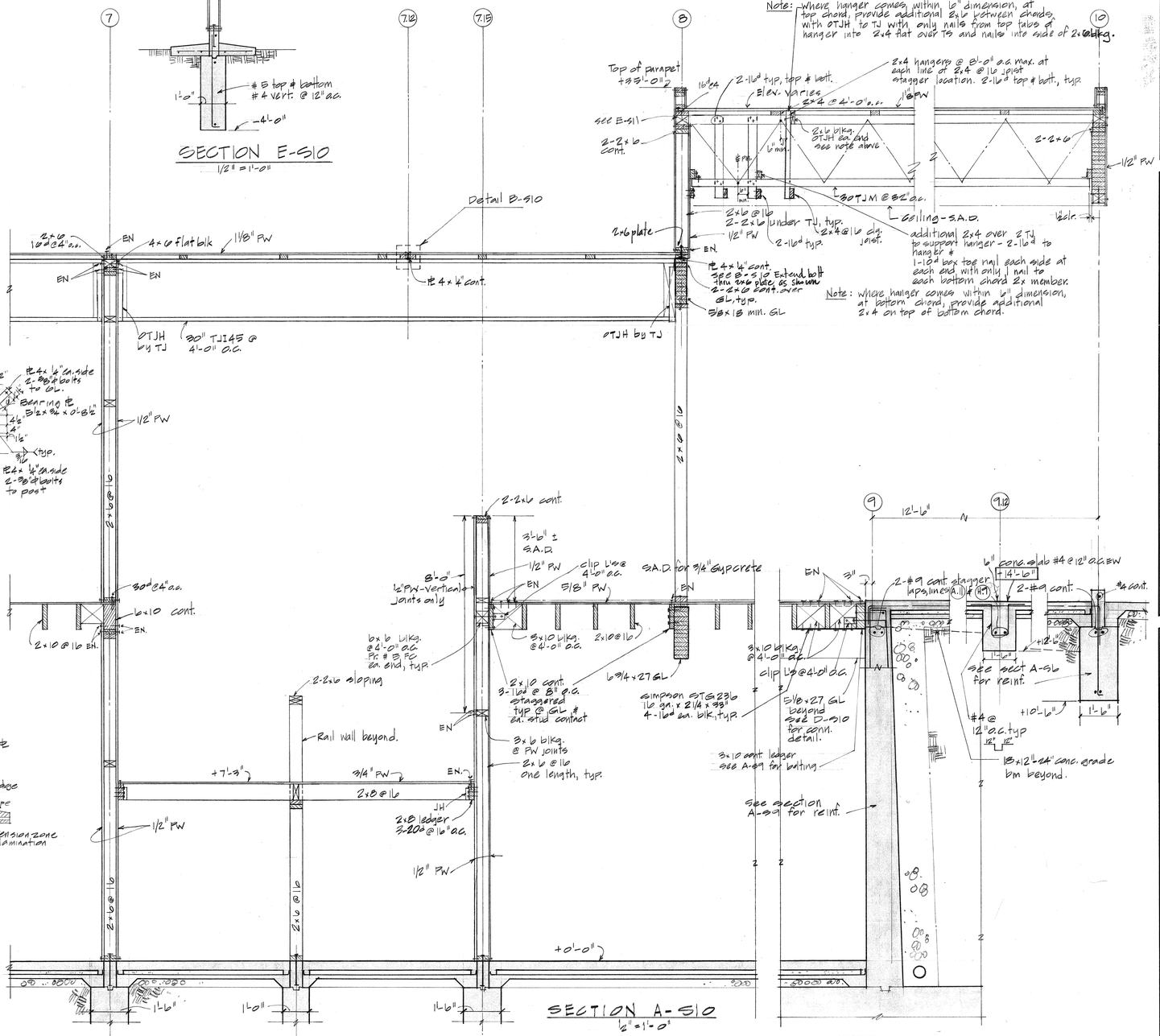
DETAIL D-S10
1/2" = 1'-0"



DETAIL B-S10
1 1/2" = 1'-0"



SECTION E-S10
1/2" = 1'-0"



SECTION A-S10
1/2" = 1'-0"

ARCHITECT: L. H. LEONARD BUZZANO & ASSOCIATES, INC. Consulting Structural Engineers 1 South Park Street San Francisco, Calif. 94107 (415) 841-1441
STRUCT. ENGINEER: Mark Sanders
CONSULT. ENGINEER:

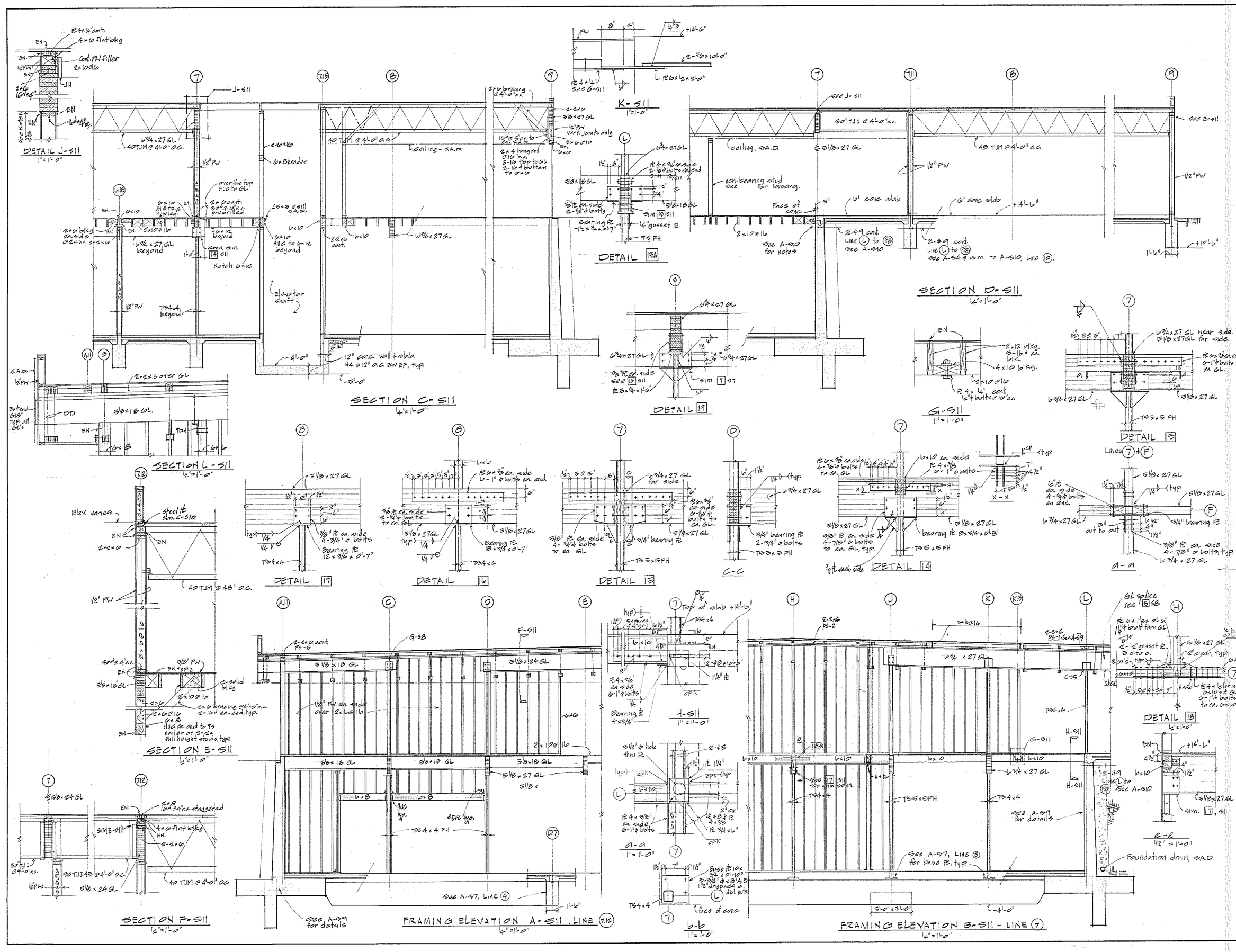
STRUCTURAL ENGINEER'S SEAL
No. SE 2779
REGISTERED STRUCTURAL ENGINEER
Date 4-23-79
APPROVED BY BUILDING DEPARTMENT

COMETTA AND CIANFICHI
516 MACDONALD AVENUE RICHMOND, CALIF. 232-2657
CONFER & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 680-2292
E. A. COMETTA, ARCHITECT J. S. NANCE, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS

STRUCTURAL SECTIONS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE CCCCD
SAN PABLO CALIFORNIA

SHEET S 10
OF
DATE 8-24-79
JOB No. 770-71A



ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

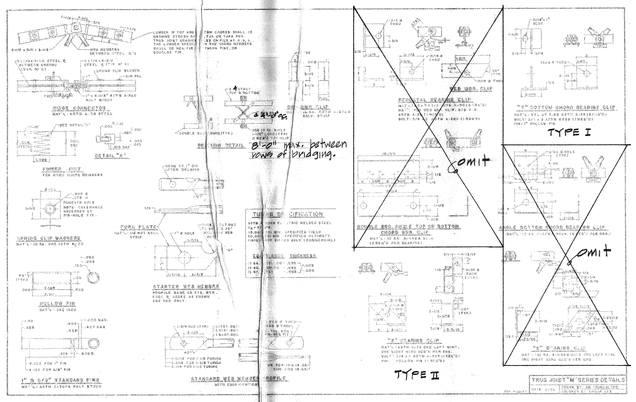
A. LEONARDO & ASSOCIATES, INC.
Consulting Civil & Structural Engineers
15 Sherbrook Square
Berkeley, Calif. 94701
(415) 841-1441

STRUCTURAL SAFETY SECTION
APPLICATION NO. 42256
DATE 8/27/79
PRINCIPAL STRUCTURAL ENGINEER

COMETTA AND CIANFICHI
5516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA · J. S. NANCE, ARCHITECT · J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

STRUCTURAL SECTIONS
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CONCORD CALIFORNIA

SHEET S 11 OF
DATE 8-24-79
JOB No. 770-71A

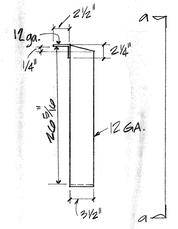


SYMBOLS FOR T.J.I.

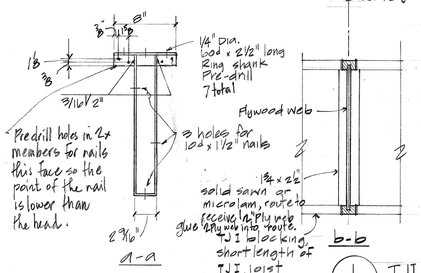
- 1" DIA. STEEL PIN
- 5/8" DIA. STEEL PIN
- 1 1/8" DIA. 16GA STL. WEB
- 1 3/8" DIA. 16GA STL. WEB
- 1 1/2" DIA. 16GA
- 1 1/2" DIA. 14GA
- 1 1/2" DIA. 13GA
- BRIDGING CLIP
- TYPE I BEARING CLIP
- TYPE II BEARING CLIP (LOW PROFILE)

TJI NOTES

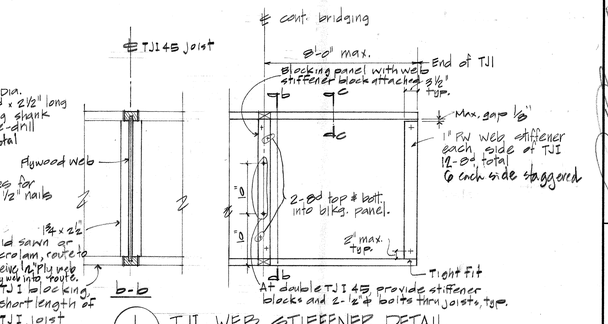
1. See Details 3/S12 & 8/S12 for openings in roof or truss joists.
2. All web stiffeners shall be full height and each side of web. See detail this sheet.
3. No drilling or cutting of webs and chords allowed unless prior approval by the Architect & Structural Engineer & O.S.A. is obtained.
4. Bridging - see sht. S3, Note 12.

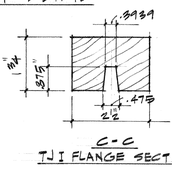


2/S12 TJI HANGER

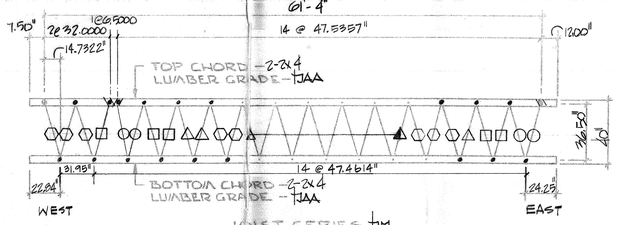


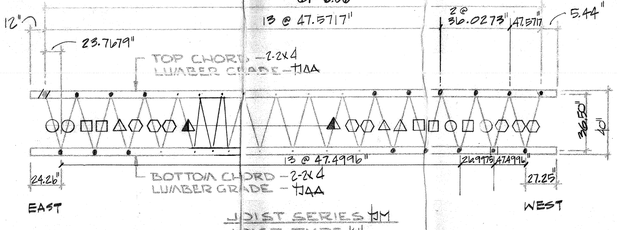
1/S12 TJI WEB STIFFENER DETAIL

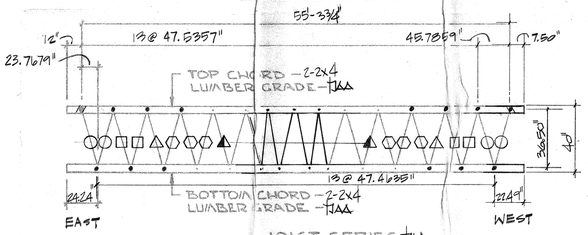


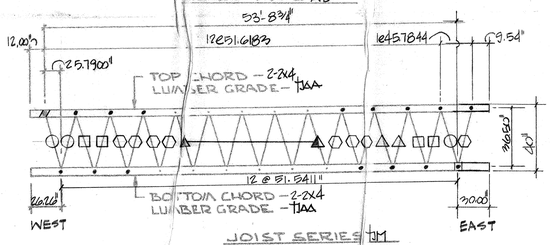


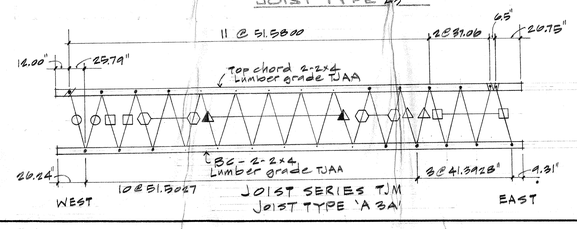
C-C
TJI FLANGE SECTION

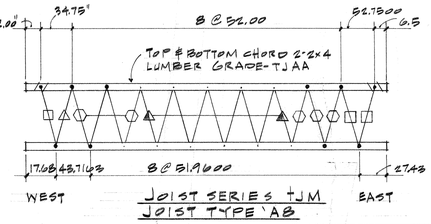


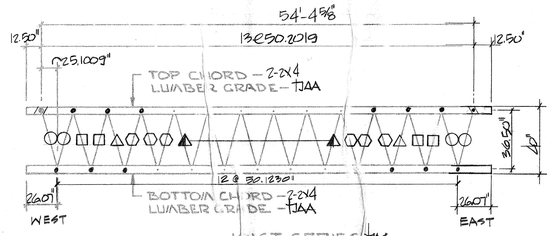


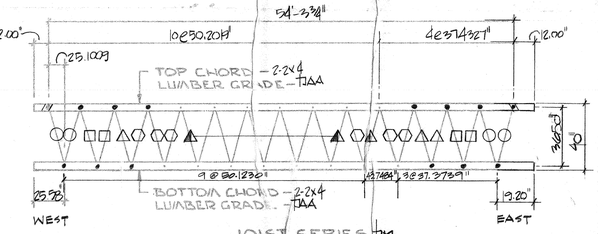


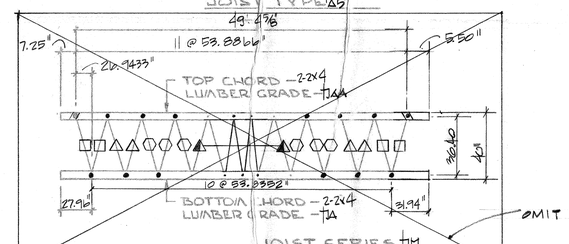


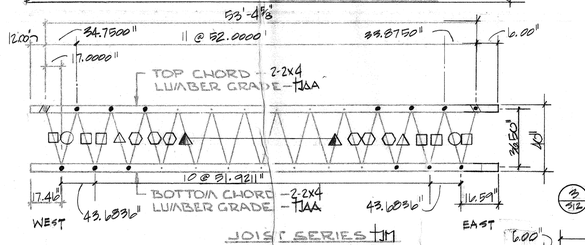


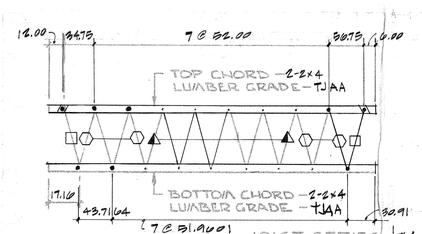


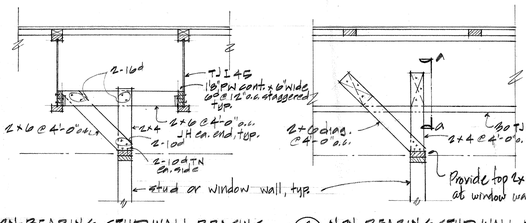






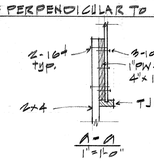




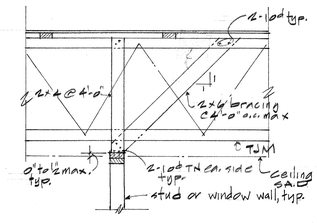


1/S12 NON-BEARING STUD WALL BRACING
STUDS PARALLEL TO TJI 45

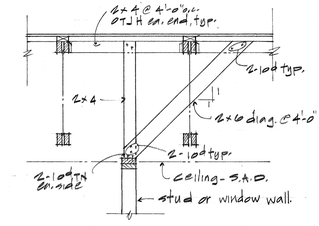
2/S12 NON-BEARING STUD WALL BRACING
STUDS PERPENDICULAR TO TJI 45



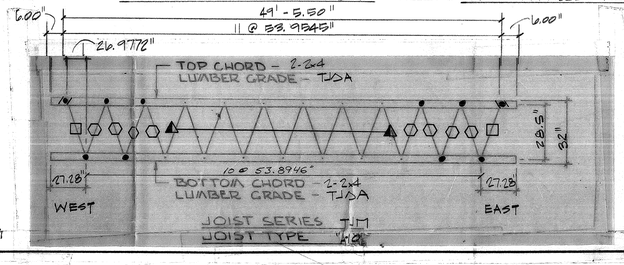
A-A
1"=1'-0"



3/S12 NON-BEARING STUD WALL BRACING
STUDS PERPENDICULAR TO TJM



4/S12 NON-BEARING STUD WALL BRACING
STUDS PARALLEL TO TJM



Revised Sept. 13, 1979
Addendum #1

ACC 8-16-79

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF.
CONFER & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 676-2292
E. A. COMETTA, ARCHITECT J. S. NANCE, ARCHITECT J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

ARCHITECT | STRUCT. ENGINEER | CONSULT ENGINEER

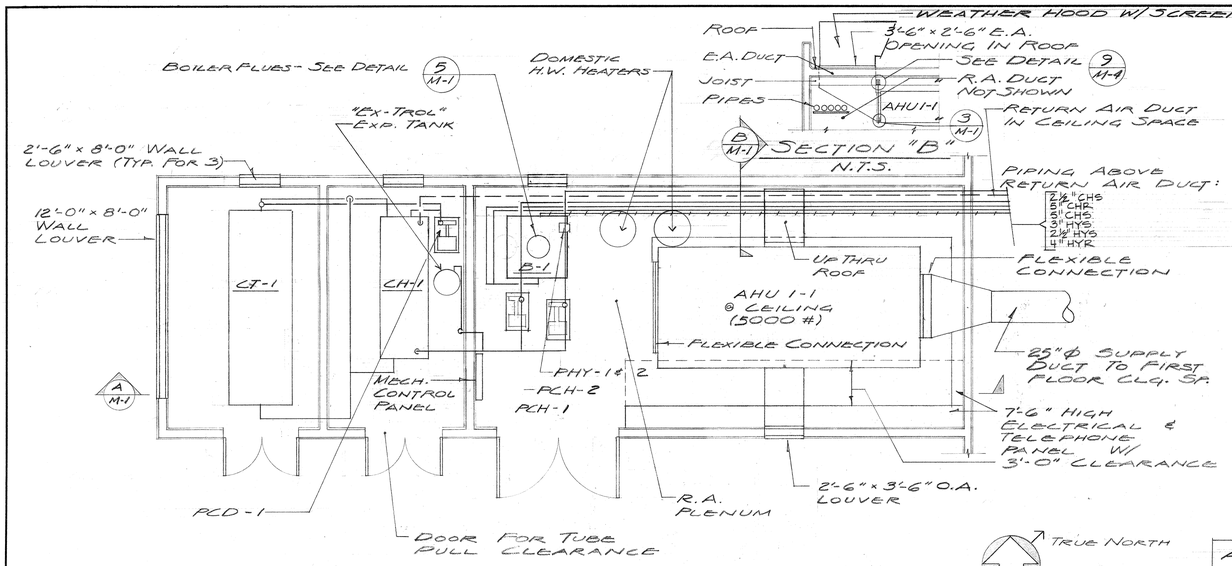
G.A. Hallenbeck Inc.
Consulting Civil & Structural Engineers
15 Sheffield Square
Berkeley, Calif. 94704
(415) 841-1041

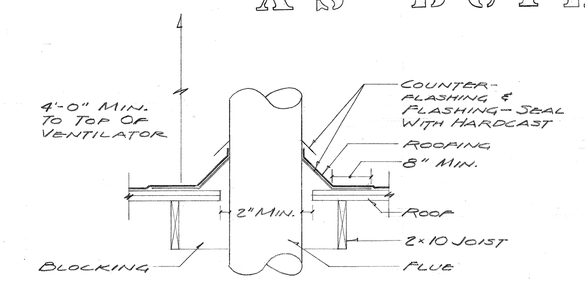
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
DEC 5 - 79
Per G.A. Hallenbeck MAS
PRINCIPAL STRUCTURAL ENGINEER
42256
APPLICATION

TRUSS JOIST PROFILE & DETAILS
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CONTRA COSTA COUNTY
CALIFORNIA

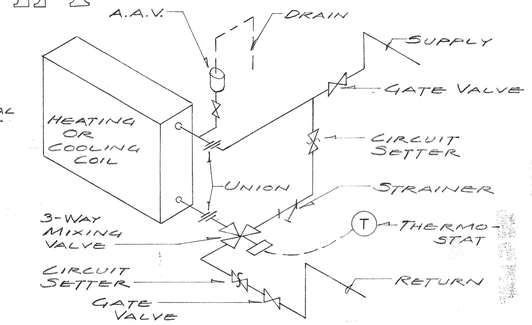
SHEET S 12
OF
DATE 8-24-79
JOB No. 770-71A

AS BUILT

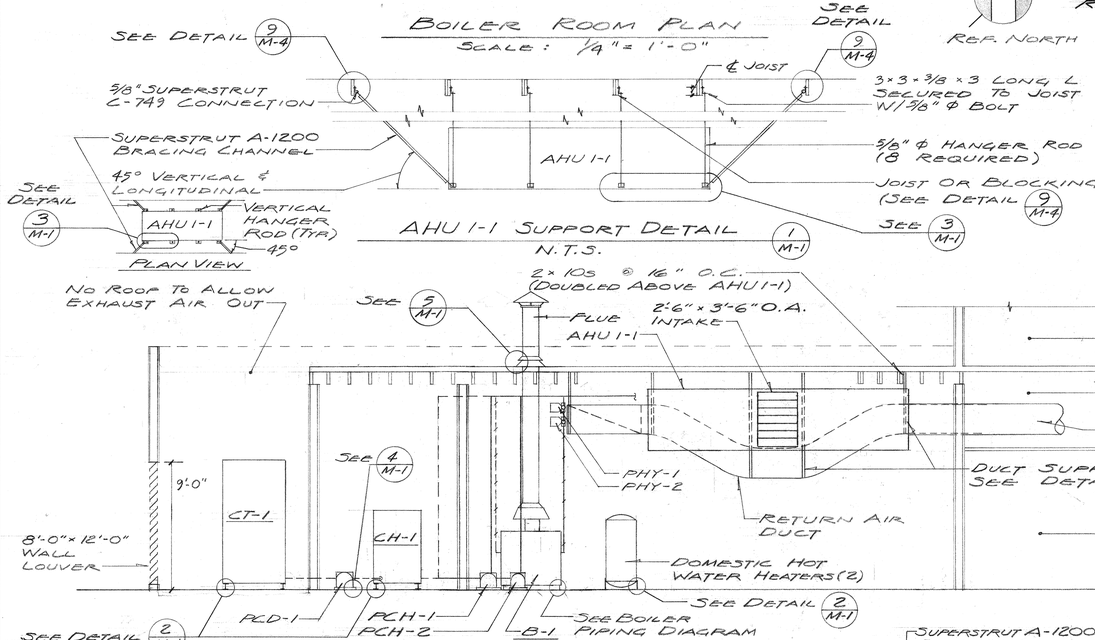


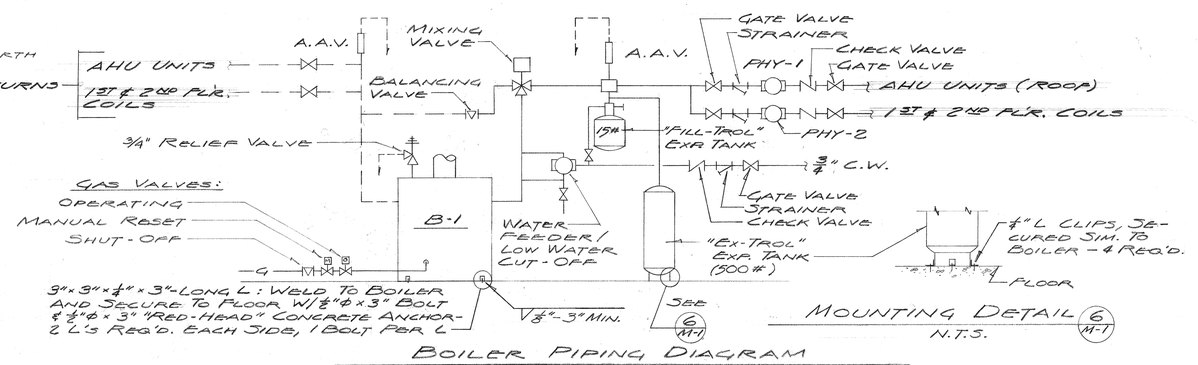


FLUE THROUGH ROOF DETAIL 5/M-1
N.T.S.

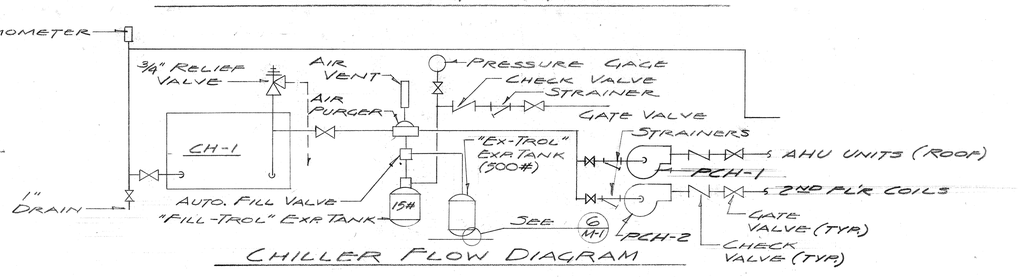


TYPICAL COIL CONNECTIONS (HEATING & COOLING)
N.T.S.





BOILER PIPING DIAGRAM



CHILLER FLOW DIAGRAM

LEGEND AND KEY TO SYMBOLS

TRANSFER GRILLE	CIRCUIT SETTER
CFM+ 24" x 24" CEILING SUPPLY DIFFUSER W/ 4-WAY THROW	IB INDUCTION BOX
CFM- 24" x 24" CEILING RETURN DIFFUSER	MAX. CUBIC FEET PER MIN. / BOX SIZE / MARK NO. / HEATING CAPACITY: H= HEATING & COOLING, C= COOLING COILS ONLY
MEDIUM PRESSURE DUCT	VAV VARIABLE AIR VOLUME TERMINAL
LOW PRESSURE DUCT	MAX. CUBIC FEET PER MIN. / BOX SIZE / MARK NO.
RETURN DUCT	RV RELIEF VENT
HYS HYDRONIC HOT WATER SUPPLY PIPING	S.A. SUPPLY AIR
HYR HYDRONIC HOT WATER RETURN PIPING	R.A. RETURN AIR
CHS CHILLED WATER SUPPLY PIPING	P.G. PLENUM GRILLE
CHR CHILLED WATER RETURN PIPING	A.A.V. AUTOMATIC AIR VENT
REHEAT COIL MK. NUMBER	N.T.S. NOT TO SCALE
MED. PRESSURE DUCT DIAMETER	AFD AUTOMATIC FIRE DAMPER
ROOM NUMBER	

AS BUILT

W.P. BAREK #3154 MECHANICAL ENGINEER — R.C. RANDALL #5575 ELECTRICAL ENGINEER

WILLIAMSON ENGINEERING, INC., 2678 NO. MAIN ST., #25, WALNUT CREEK, CALIF. 94596, 935-6811

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
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E. A. COMETTA · J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT · J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

ARCHITECT · STRUCT. ENGINEER · CONSULT. ENGINEER

DSA APPLICATION 4225.6 · DATE 2-7-79

APPROVED FOR CONSTRUCTION
WILLIAM B. KELLY, DIRECTOR
DIVISION OF THE STATE ARCHITECT
STRUCTURAL SAFETY SYSTEMS

BOILER ROOM PLAN, LEGEND & DETAILS

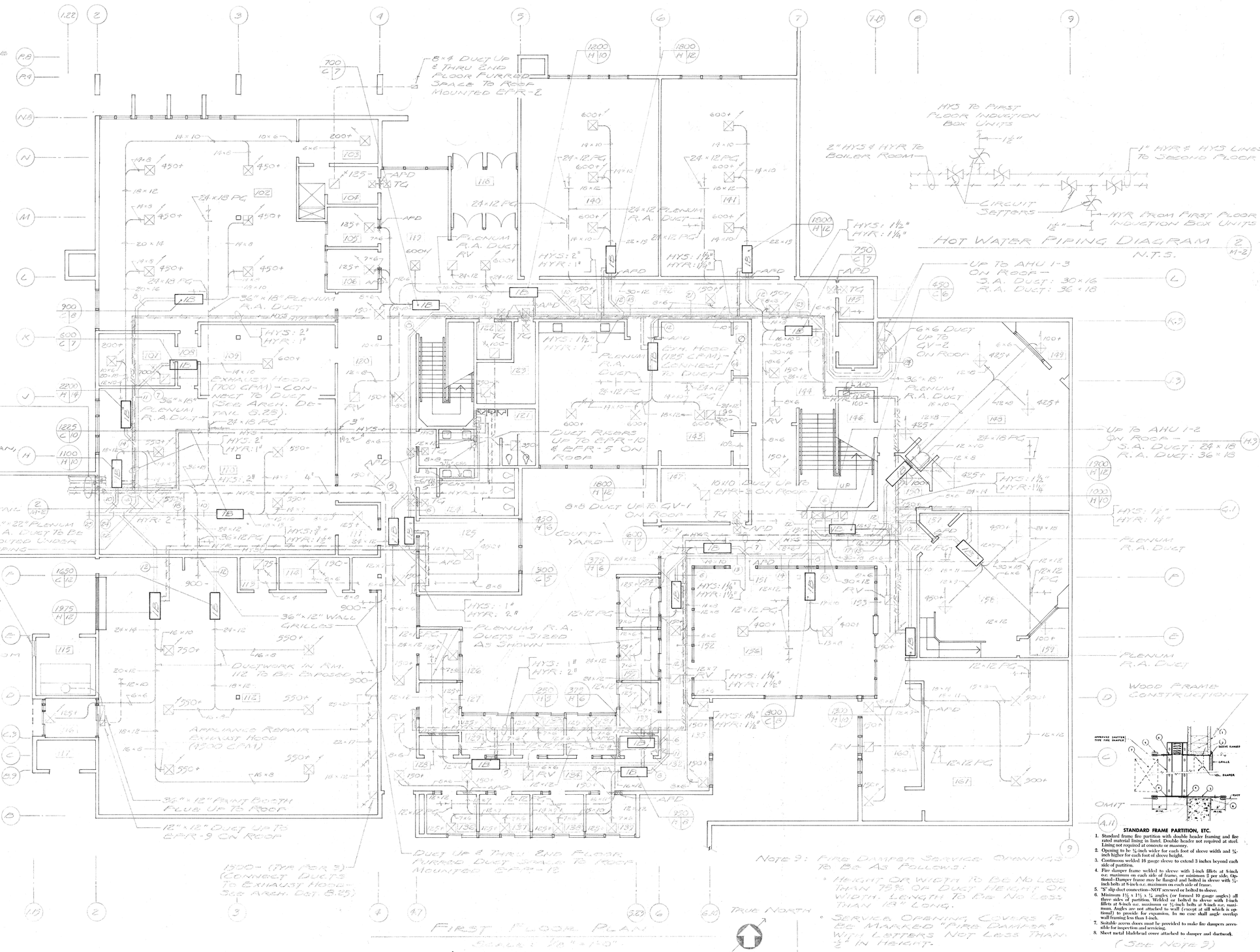
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE · CCCCD · SAN PABLO · CALIFORNIA

SHEET M-1 · OF · DATE 8-24-79 · JOB No. 770-71A

ROOM NAMES & NUMBERS

101	BOILER ROOM
102	ENGINEERING LAB
103	WORK ROOM
104	SURVEY STORAGE
105	OFFICE
106	OFFICE
107	WORK ROOM
108	VESTIBULE
109	MODEL MAKING
110	ENVIRONMENTAL DESIGN LAB
111	OFFICE
112	APPLIANCE REPAIR LAB
113	TOOL ROOM
114	STORAGE
115	PAINT BOOTH
116	OFFICE
117	STORAGE
118	VESTIBULE
119	CORRIDOR
120	CORRIDOR
121	MEN'S TOILET
122	COT ROOM
123	CUSTODIAN
124	WOMEN'S TOILET
125	CONFERENCE
126	OFFICE
127	OFFICE
128	ELECTRICAL
129	OFFICE
130	OFFICE
131	OFFICE
132	TELEPHONE
133	OFFICE
134	CORRIDOR
135	CORRIDOR
136	OFFICE
137	OFFICE
138	OFFICE
139	OFFICE
140	LABORATORY
141	LABORATORY
142	CORRIDOR
143	CRIMINAL JUSTICE LAB
144	CORRIDOR
145	ELEVATOR MACHINERY ROOM
146	STORAGE
147	CUSTODIAN STORAGE
148	DATA PROCESSING LAB
149	PROJECTION ROOM
150	DATA PROCESSING AREA
151	DATA PROCESSING AREA
152	DATA PROCESSING AREA
153	DATA PROCESSING AREA
154	OFFICE
155	OFFICE
156	DATA PROCESSING LAB
157	STORAGE
158	DATA PROCESSING LAB
159	PROJECTION ROOM
160	PROGRAM AREA
161	DATA PROCESSING LAB
162	BOILER ROOM
163	BOILER ROOM

2½" CHS
5" CHR
5½" CHS
3" HYS
1½" HYS
4" HYR



STANDARD FRAME PARTITION, ETC.

1. Standard frame fire partition with double header framing and fire rated material lining in lintel. Double header not required at steel. Lining not required at concrete or masonry.
2. Opening to be ½-inch wider for each foot of sleeve width and ½-inch higher for each foot of sleeve height.
3. Continuous welded 18 gauge sleeve to extend 3 inches beyond each side of partition.
4. Fire damper frame welded to sleeve with 1-inch fillets at 8-inch o.c. maximum on each side of frame; or minimum 2 per side. Optional—Damper frame may be flanged and bolted in sleeve with ½-inch bolts at 8-inch o.c. maximum on each side of frame.
5. "S" slip duct connection—NOT screwed or bolted to sleeve.
6. Minimum 1½ x 1½ x ⅛ angles (or formed 18 gauge angles) all three sides of partition. Welded or bolted to sleeve with 1-inch fillets at 8-inch o.c. minimum or ½-inch bolts at 8-inch o.c. maximum. Angles are not attached to wall (except at sill which is optional) to provide for expansion. In no case shall angle overlap wall framing less than 1-inch.
7. Suitable access doors must be provided to make fire dampers accessible for inspection and servicing.
8. Sheet metal blade/lead cover attached to damper and duct work.

(See Note 3)

AUTOMATIC FIRE DAMPER DETAIL
N.T.S.

Note 1:
Install Automatic Fire Dampers Where Indicated On Plan. Corridor Walls Are Rated For 1 Hour Fire Protection. (See Detail This Sheet)

Note 2:
Coordinate Ceiling Diffusers With Architectural Drawings & Verify Equipment Location Before Installation.

Note 3:
Fire Damper Service Openings To Be As Follows:
- Height Or Width To Be No Less Than 75% Of Duct Height Or Width. Length To Be Not Less Than 18" Long.
- Service Opening Covers To Be Marked "Fire Damper" With Letters Not Less Than ½" In Height.

AS BUILT

W. Paul Baker
W. PAUL BAKER #5184
MECHANICAL ENGINEER

J. McDONALD #8806
ELECTRICAL ENGINEER

WILLDINGER ENGINEERING, INC.
MECHANICAL ELECTRICAL
PLUMBING
PROJECT ENGINEERS

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

CIANFICHI AND DEVINCENZI
ARCHITECTS
CALLE 237-2687
RICHMOND, CALIF.

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3516 MACDONALD
1200 CONTRA COSTA BLVD.
E. A. COMETTA
P. D. CIANFICHI, ARCHITECT

CONNER, CROSSEN & NANCE
ARCHITECTS
655-7292
CONCORD, CALIF.
J. E. CROSSEN, ARCHITECT
S. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS

FIRE PLAN DETAILS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

SHEET M-2
OF
DATE 3-24-71
JOB No. 70-714

ROOM NAMES & NUMBERS

101	BOILER ROOM
102	ENGINEERING LAB
103	WORK ROOM
104	SURVEY STORAGE
105	OFFICE
106	OFFICE
107	WORK ROOM
108	VESTIBULE
109	MODEL MAKING
110	ENVIRONMENTAL DESIGN LAB
111	OFFICE
112	APPLIANCE REPAIR LAB
113	TOOL ROOM
114	STORAGE
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128	ELECTRICAL
129	OFFICE
130	OFFICE
131	OFFICE
132	TELEPHONE
133	OFFICE
134	CORRIDOR
135	CORRIDOR
136	OFFICE
137	OFFICE
138	OFFICE
139	OFFICE

140	LABORATORY
141	LABORATORY
142	CORRIDOR
143	CRIMINAL JUSTICE LAB
144	CORRIDOR
145	ELEVATOR MACHINERY ROOM
146	STORAGE
147	CUSTODIAN/STORAGE
148	DATA PROCESSING LAB
149	PROJECTION ROOM
150	DATA PROCESSING AREA
151	DATA PROCESSING AREA
152	DATA PROCESSING AREA
153	DATA PROCESSING AREA
154	OFFICE
155	OFFICE
156	DATA PROCESSING LAB
157	STORAGE
158	DATA PROCESSING LAB
159	PROJECTION ROOM
160	PROGRAM AREA
161	DATA PROCESSING LAB
162	BOILER ROOM
163	BOILER ROOM

2½" CHS
5" CHR
5½" CHS
3" HYS
1½" HYS
4" HYR

3'-0" x 8'-0" INTAKE LOUVER (TOP AT 9'-0" SCORE LINE)

See Enlarged Plan, Sheet M-1

See Detail 2/M-2

107 36" x 22" PLENUM R.A. DUCT TO BE ROUTED UNDER PIPING

8" x 4" DUCT UP & THRU END FLOOR FURRED SPACE TO ROOF MOUNTED EFR-2

36" x 18" PLENUM R.A. DUCT

HYS: 2" HYR: 1"

EXHAUST HOOD (1700 CFM) - CONNECT TO DUCT (SEE ARCH. DETAIL 8.28).

HYS: 2" HYR: 1"

HYS: 2½" HYR: 1"

HYS: 1½" HYR: 1"

PLENUM R.A. DUCT

EXH. HOOD (125 CFM) - CONNECT TO DUCT

DUCT RISERS UP TO EFR-10 & EFR-5 ON ROOF

HYS: 1½" HYR: 1¼"

HYS: 1½" HYR: 1¼"

HYS: 2" HYR: 1"

HYS: 1¼" HYR: 1½"

HYS: 1" HYR: 2"

HYS: 1¼" HYR: 1½"

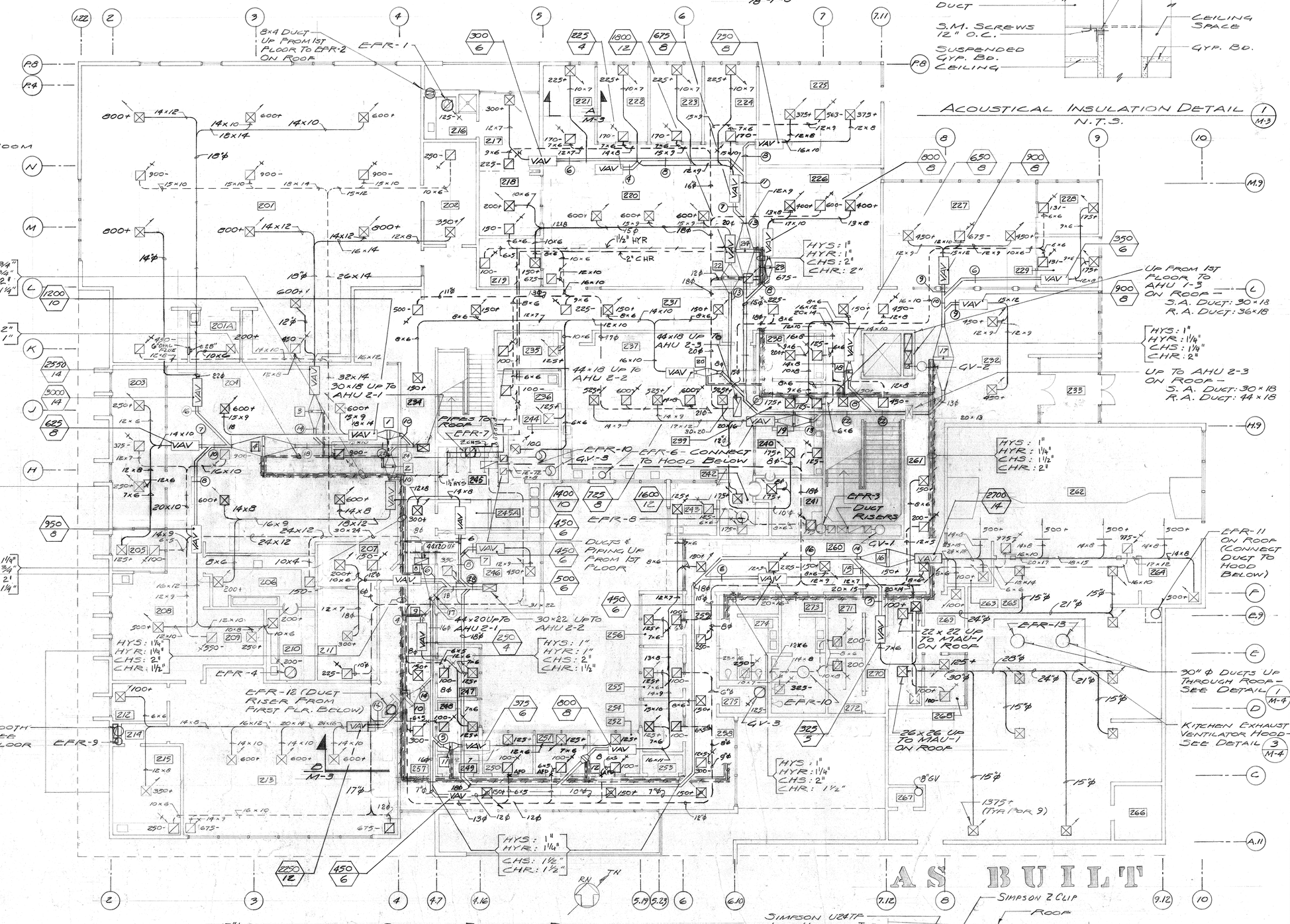
HYS: 1½" HYR: 1¼"

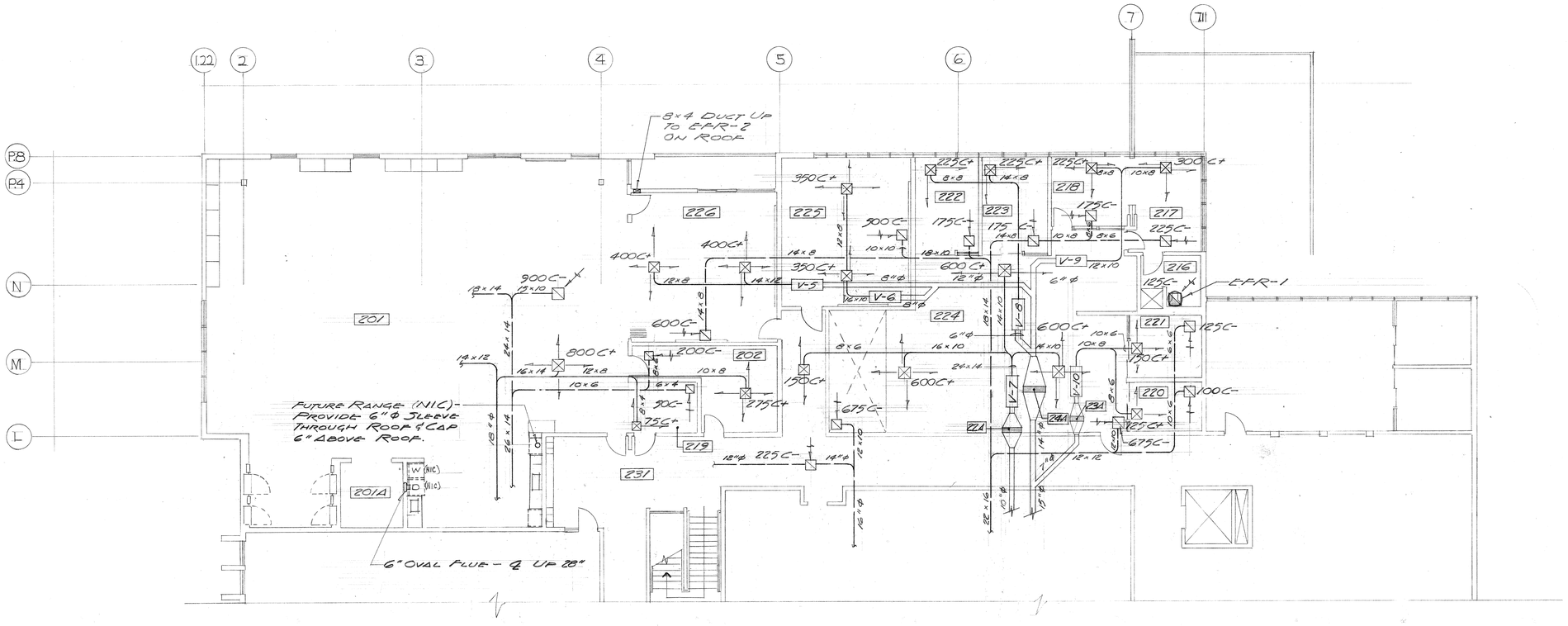
HYS: 1½" HYR: 1¼"

HYS: 1½" HYR: 1¼

ROOM NAMES & NUMBERS

201	TEXTILE SEWING LAB
201A	FITTING ROOM
202	WORK ROOM
203	EDITORS
204	NEWSROOM LAB
205	OFFICE
206	LIGHT ROOM
207	MONITOR
208	CONFERENCE / LIBRARY
209	LAYOUT / MAKE-UP
210	DARK ROOM
211	T.V. STUDIO
212	STORAGE
213	GRAPHICS LAB
214	VESTIBULE
215	GRAPHIC ARTS WORK ROOM
216	TOILET
217	PRESIDENT
218	CONFERENCE
219	OFFICE
220	SUPPORT STAFF
221	OFFICE
222	OFFICE
223	OFFICE
224	OFFICE
225	CLASSROOM
226	CLASSROOM
227	STAFF
228	OFFICE
229	OFFICE
230	CORRIDOR
231	CORRIDOR
232	ENTRY LOBBY
233	VESTIBULE
234	CORRIDOR
235	OFFICE
236	STORAGE
237	DENTAL LAB
238	OPERATORY
239	OPERATORY
240	OPERATORY
241	DARK ROOM
242	DISPENSARY
243	X-RAY ROOM
244	LOUNGE
245	WOMEN
245A	VESTIBULE
246	CONFERENCE
247	OFFICE
248	OFFICE
249	ELECTRICAL
250	OFFICE
251	OFFICE
252	OFFICE
253	TELEPHONE
254	OFFICE
255	OFFICE
256	OFFICE
257	CORRIDOR
258	CORRIDOR
259	CORRIDOR
260	CORRIDOR
261	CORRIDOR
262	DINING
263	WAITING
264	DESSERT
265	KITCHEN
266	STORAGE
267	CUSTODIAN
268	OFFICE
269	VESTIBULE
270	LOCKER
271	WOMEN
272	MEN
273	MEN
274	WOMEN
275	CUSTODIAN


8x4 DUCT UP FROM 1ST FLOOR TO EFR-2 ON ROOF
EFR-1
EFR-2
EFR-3 DUCT RISERS
EFR-4
EFR-5
EFR-6 - CONNECT TO HOOD BELOW
EFR-7
EFR-8
EFR-9
EFR-10
EFR-11 ON ROOF (CONNECT DUCT TO HOOD BELOW)
EFR-12 (DUCT RISER FROM FIRST FLR. BELOW)
EFR-13
GV-1
GV-2
GV-3
PAINT BOOTH FLUE - SEE FIRST FLOOR PLAN
PIPES TO ROOF
DUCTS & PIPING UP FROM 1ST FLOOR
30x18 UP TO AHU 2-1
44x18 UP TO AHU 2-2
44x20 UP TO AHU 2-1
30x22 UP TO AHU 2-2
32x14
36x36 UP TO MAU-1 ON ROOF
22 x 22 UP TO MAU-1 ON ROOF
UP FROM 1ST FLOOR TO AHU 1-3 ON ROOF - S.A. DUCT: 30x18 R.A. DUCT: 36x18
UP TO AHU 2-3 ON ROOF - S.A. DUCT: 30x18 R.A. DUCT: 44x18
30" ϕ DUCTS UP THROUGH ROOF - SEE DETAIL 1/M-4
KITCHEN EXHAUST VENTILATOR HOOD SEE DETAIL 3/M-4
HYS: 1" HYR: 1¼" CHS: 2" CHR: 1½"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 2"
HYS: 1¼" HYR: ¾" CHS: 2" CHR: 1¼"
HYS: 1¼" HYR: 1¼" CHS: 2" CHR: 1½"
HYS: ¾" HYR: ¾" CHS: 2" CHR: 1¼"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 1½"
HYS: 1" HYR: 1¼" CHS: 1½" CHR: 2"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 2"
HYS: 1¼" HYR: 1¼" CHS: 2" CHR: 2"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 1½"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 1½"
HYS: 1" HYR: 1¼" CHS: 1½" CHR: 1½"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 1½"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 2"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 1½"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 2"
HYS: 1" HYR: 1¼" CHS: 2" CHR: 1½



TRUE NORTH

SECOND FLOOR PLAN-MECHANICAL LAYOUT

SCALE: 1/8" = 1'-0"

REF. NORTH

NOTE:
CONTRACTOR TO LOCATE THERMOSTATS AND SUBMIT FOR APPROVAL.

ROOM NAMES AND NUMBERS

201	TEXTILE SEWING LAB
201A	FITTING ROOM
202	WORK ROOM
216	TOILET
217	PRESIDENT
218	CONFERENCE
219	OFFICE
220	OFFICE
221	OFFICE
222	OFFICE
223	OFFICE
224	SUPPORT STAFF
225	LAB
226	LAB
231	CORRIDOR

REVISED COIL SCHEDULE *

MK.	CFM	SIZE	HEATING COIL					COOLING COIL					WEIGHT
			MBH	GPM	CONN.	ROW	ΔP	MBH	GPM	CONN.	ROW	ΔP	
22A	1950	42 x 12						16.8	3.4	3/4"	4	.32"	150
23A	275	12 x 9						2.2	.5	1/2"			75
24A	2475	42 x 18	33.7	2.1	3/4"	2	.18"	22.8	4.5	1"			250

*NOTE: THIS SCHEDULE SUPERCEDES LINES 22-24 OF COIL SCHEDULE, SHT. M-5.

REVISED VAV TERMINAL SCHEDULE *

MK.	MODEL NO.	CFM
V-5	HUP-8	800
V-6	-8	700
V-7	-12	1950
V-8	-6	450
V-9	-6	525
V-10	-6	275

*NOTE: REFER TO VAV TERMINAL SCHEDULE, SHT. M-5, FOR ADDITIONAL DATA.

AS BUILT

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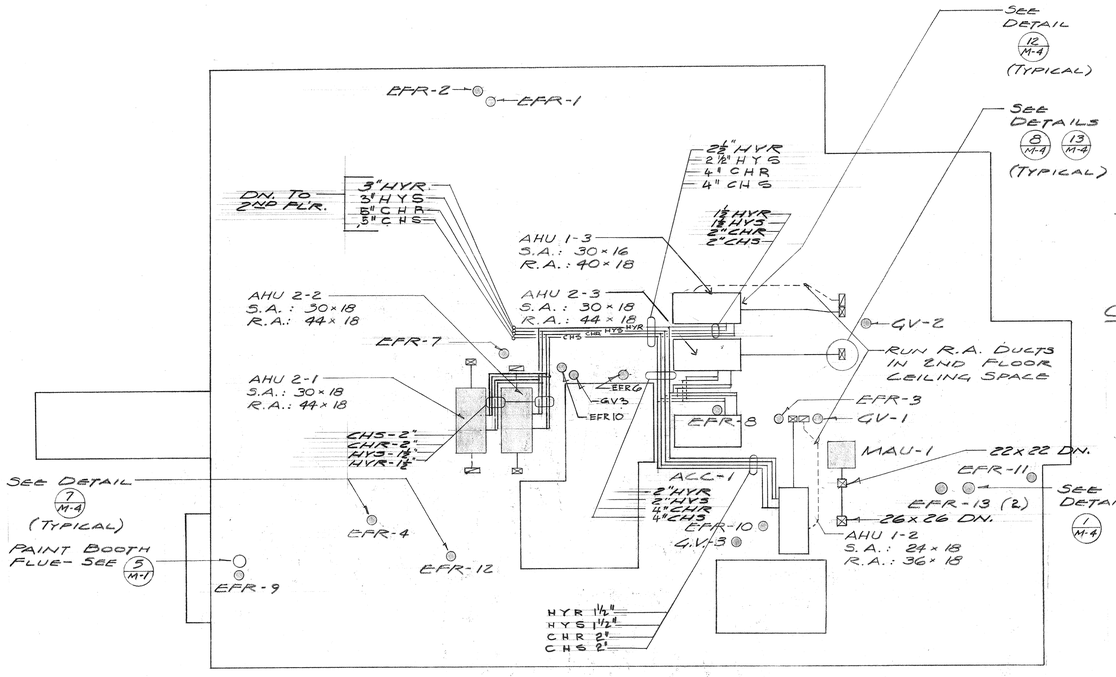
ASSOCIATED ARCHITECTURAL FIRMS P.W. CONFER

PARTIAL SECOND FLOOR PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

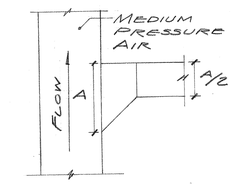
SHEET M-3A
OF
DATE 6/11/80
REV. 9/29/80
JOB No. 2102-80



Mechanical Roof Plan

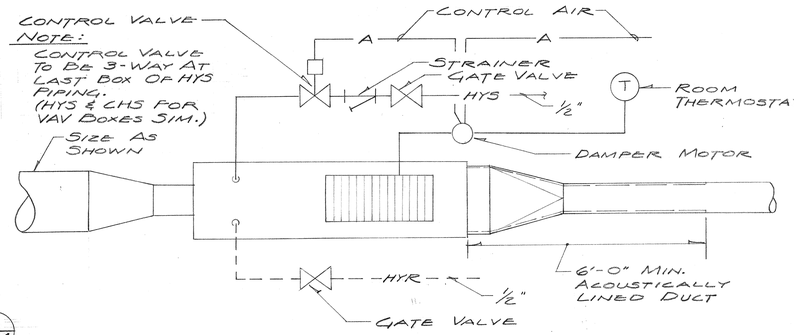
Scale: 1/16" = 1'-0"





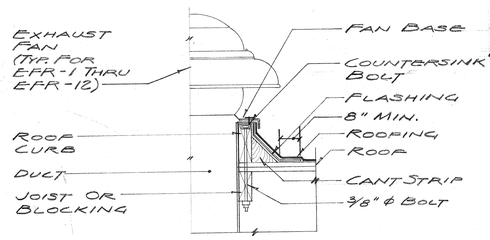
Duct Branch Connection Detail 6 M-4

N.T.S.



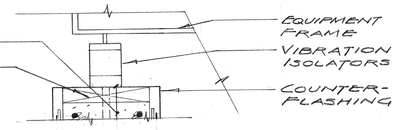
Induction Box Connection Detail 11 M-4

N.T.S.



Exhaust Fan Detail 7 M-4

N.T.S.



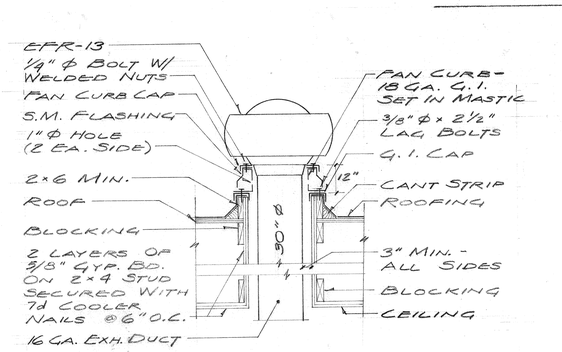
For Continuation, S.A.D.

AS BUILT

Equipment Mounting Detail 12 M-4

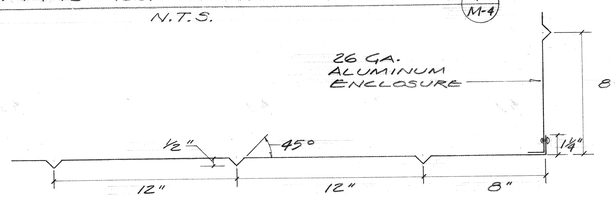
N.T.S.

(Note: See Arch. Detail 2.2B)



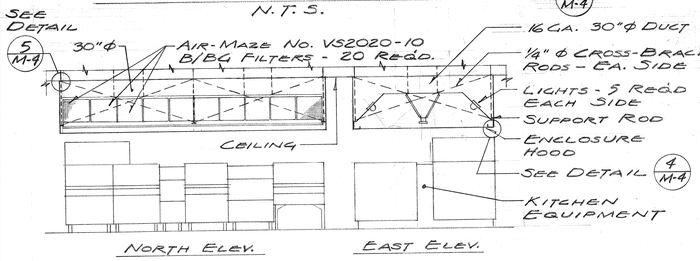
EFR-13 Roof Mounting Detail 1 M-4

N.T.S.



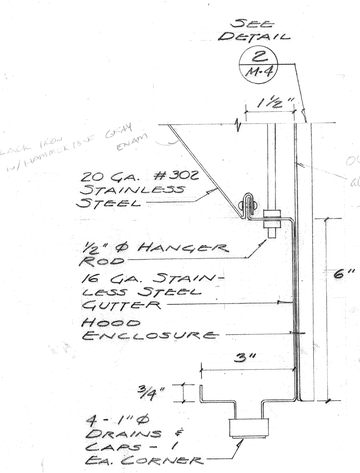
Hood Enclosure Plan 2 M-4

N.T.S.



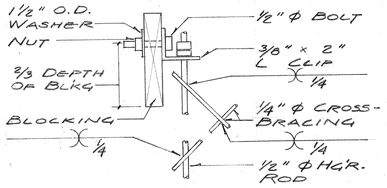
Kitchen Exhaust Ventilator Hood Detail 3 M-4

N.T.S.



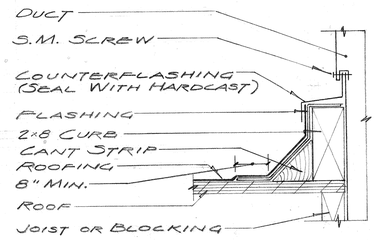
Hood Detail 4 M-4

N.T.S.



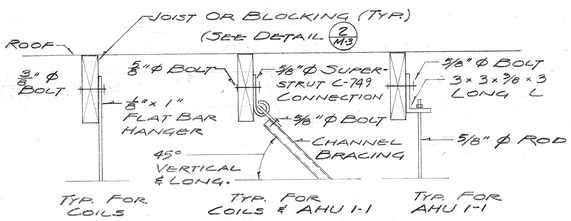
Hood Hanger & Cross-Bracing Rods - Detail 5 M-4

N.T.S.



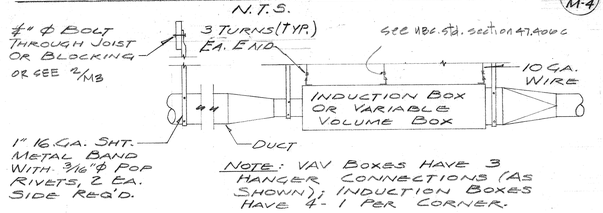
Roof Penetration Detail 8 M-4

N.T.S.



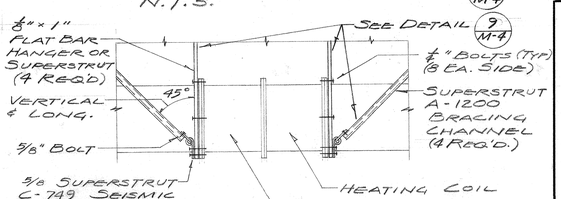
Hanger & Bracing Connection Details 9 M-4

N.T.S.



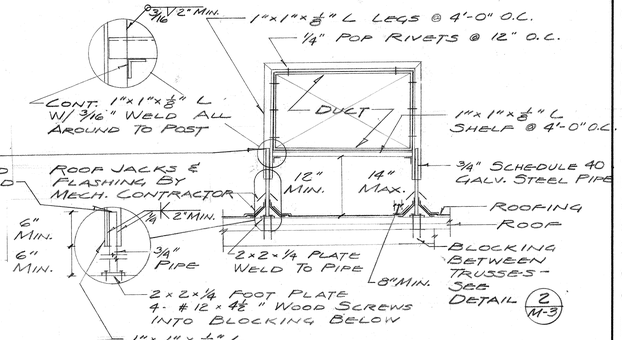
Duct And Air Terminal Hanger Detail 10 M-4

N.T.S.



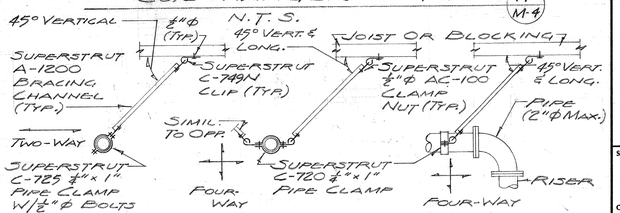
Duct Support Detail 13 M-4

N.T.S.



Coil Hanger Detail 14 M-4

N.T.S.



Pipe Sway Bracing Details 15 M-4

N.T.S.

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ARCHITECT | STRUCT. ENGINEER | CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42356
EXPIRES 6-30-80
Registered Professional Engineer
Structural Engineer
Date 8-27-79

ROOF PLAN & DETAILS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE . CCCCD . CALIFORNIA
SAN PABLO

SHEET M-4
OF
DATE 8-24-79
JOB No. 770-714

SECOND FLOOR COILS

MK.	MFR.	No.	CFM	SIZE	HEATING MBH	HEATING GPM	HEATING CONN.	HEATING ROW	HEATING ΔP H2O	COOLING MBH	COOLING GPM	COOLING CONN.	COOLING ROW	COOLING ΔP H2O	WT.
1	AEROFIN	"C"	1200	24×15						7.0	1.3	¾"	4	.32"	132
2			1400	24×15						7.7	1.5	¾"			132
3			2600	30×24						14.0	2.8	¾"			180
4			4375	42×30	56.8	3.5	¾"	2	.18"	38.7	7.7	1"			325
5	DELETED		-	-											75
6	DELETED														
7			450	12×12	5.8	0.4	½"	2	.18"	4.0	0.8	½			-
8			500	12×12						2.8	0.6	½"			75
9			250	12×9	3.3	0.2	½"	2	.18"	2.2	.5	½"			75
10			2300	30×24	29.8	2.2	¾	2	.18"	19.8	4.0	1"			225
11			375	12×12	4.8	.3	½"	2	.18"	3.3	0.8	½"			75
12			800	20×12	10.4	.7	½"	2	.18"	7.0	1.4	¾			100
13	DELETED		-	-											
14	DELETED														
15			325	12×9						1.7	0.4	½"			75
16			2600	42×18	33.7	2.1	¾	2	.18"	22.8	4.5	1"			250
17			2150	42×18	27.8	1.9	¾	2	.18"	18.7	3.5	1"			200
18			550	12×12						3.0	0.6	½"			75
19			2150	42×18	27.8	1.9	¾	2	.18"	18.7	3.5	1"			175
20			725	18×12						4.0	0.8	½"			75
21	DELETED														
22			2150	42×18						12.1	2.4	¾"			150
23			800	20×12						4.4	0.9	½"			75
24			1950	42×12	25.2	1.7	¾	2	.18"	16.8	3.4	¾"			150

SECOND FLOOR VARIABLE AIR VOLUME TERMINALS

MK.	MFR.	No.	CFM RANGE	INLET SIZE	ΔP H2O	RAD. LW-CF 1.5" INLET 125	250	500	1000	2000	DISCH. LW-CF 1.5" INLET 125	250	500	1000	2000	WT.
4	BARBER-COLMAN	HUP- 4	100-260	4"Ø	.5"	36	28	27	21	23	53	58	58	57	59	75
6		- 6	250-600	6"Ø		44	39	34	34	26	59	63	60	60	62	75
8		- 8	550-1100	8"Ø		47	41	32	37	28	62	64	65	61	64	100
10		-10	850-1600	10"Ø		50	40	40	41	31	67	63	64	62	62	100
12		-12	1200-2400	12"Ø		54	43	51	43	34	69	65	68	64	63	125
14		-14	1600-3200	14"Ø		54	43	52	43	37	70	68	67	63	66	125

KITCHEN MAKE-UP AIR UNIT

MK.	MFR.	No.	CFM	MBH - HEATING	S.P.	H.P.	RPM	V/Φ/Hz	CONTROL	WT.
MAU-1	ESSICK	12V 800MD	12,400	800.0	.7"	7½	635	480/3/60	MANUAL *	1200

* MAR'S HC-102

PAINT SPRAY BOOTH

MK.	MFR.	No.	FAN	CFM	S.P.	H.P.	RPM	V/Φ/Hz	CONTROL
PB-1	BINKS	# 30-670	24"	8250	.5"	2	2292	480/3/60	MANUAL

COMPUTER ROOM AIR CONDITIONING & CONDENSING UNIT

MK.	MFR	No.	COOLING MBH	CFM	HP	KW	V/Φ/Hz	CONTROL	WEIGHT	NOTES
ACU-1	EDPAC	7.5	70.0	3000	1	6	480/3/60	SELF-CONT.	1400 #	IN ROOM
ACL-1				6600	½		120/3/60		320 #	ON ROOF

GRAVITY VENTILATORS

MK.	MFR.	No.	DIAMETER	GRILLE	WEIGHT
GV-1	BREIDERT	L-8	8"	12X12	10 #
-2		L-12	12"	18X18	18 #
-3		L-6	6"	12X12	6 #

COILS FOR AIR HANDLING UNITS

MK.	SIZE	CFM	HEATING MBH	HEATING GPM	HEATING CONN.	HEATING ROW	HEATING ΔP'	COOLING MBH	COOLING GPM	COOLING CONN.	COOLING ROW	COOLING ΔP'	CONTROL
AHCH-1	21.0Φ	8,460	230	13.0	1 1/2	2	.2	273	42.0	2½	6	.3	CD/AHU
AHCH-2		9,024	250	14.0	1 1/2			292	45.0	2½			
AHCH-3	24.6Φ	10,350	280	15.0	1 1/2			340	52.0	2½			

3

150
30
320

COOLING TOWER

MK.	MFR.	No.	CAPACITY	ENT. AIR WB	H2O IN-OUT	GPM	CFM	S.P.	HP	FAN	V/Φ/Hz	CONTROL	WEIGHT
CT-1	BAC	VNT 140B	140 TONS	65°	85°-75°	379	26,800	½"	20	4	480/3/60	CD/CT	4000 #

WATER CHILLER

MK.	MFR.	No.	GPM	CAP.	EWT	LWT	ΔP'	KW	V/Φ/Hz	CONTROL	WEIGHT
CH-1	TRANE	CGWA 1200 R	290	120 TONS	55°	45°	30	113	480/3/60	CD/CH-1	5000 #

EXHAUST FANS

MK.	MFR.	No.	FAN	CFM	S.P.	H.P.	RPM	V/Φ/Hz	CONTROL	WEIGHT
EFR-1	JENN-AIR	72 CR	7"	125	.125"	⅙	1050	120/1/60	LT. SWITCH	25 #
-2									LT. SWITCH	
-3		98CR	9"	435		½	900		MANUAL	
-4		70 CR	7"	265		⅛	1550		MANUAL	
	DELETED									
-6	JENN-AIR	81 CR	8"	290		⅙	1050		MANUAL	
-7		98 CR	9"	415		⅛	860		CD/TC-1	65 #
-8									MANUAL	
-9		143 BCR	14"	680	.5"	¼	985		MANUAL	85 #
-10		101 CR	10"	980	.125"	⅙	1140		CD/TC-1	65 #
-11									MANUAL	
-12		304 BCR	30"	4650	.5"	½	545	480/3/60	MANUAL	335 #
-13		364 BRTD	36"	8200	.625"	2	535		MANUAL	400 #

AIR HANDLING UNITS

MARK	MFR.	No.	SUPPLY FAN SIZE	SUPPLY FAN CFM	SUPPLY FAN COIL	SUPPLY FAN S.P.	SUPPLY FAN H.P.	EXHAUST FAN SIZE	EXHAUST FAN CFM	EXHAUST FAN S.P.	EXHAUST FAN H.P.	V/Φ/Hz	CONTROL	WEIGHT
AHU1-1	TEMTROL	25M	24.5"	10,350	AHCH-3	4"	15	24.5"	7800	3"	3	480/3/60	CD/AHU-1	5000 #
1-2		21M	22.25"	8460	AHCH-1	4"	10	22.25"	6350					4600 #
1-3				9024	AHCH-2	4.5"	10		6800					4800 #
2-1		25M	24.5"	10,350	AHCH-3	4"	15	24.5"	7800					5000 #
2-2						4.5"								
2-3						4.5"								

PUMPS

MK.	MFR.	No.	GPM	T.H.D.	RPM	H.P.	V/Φ/Hz	CONTROL	WEIGHT
PCD-1	B&G	1510-3B	360.0	65'	1750	10	480/3/60	CD/CH-1	380
PCH-1		1531-3AB	245.0	60		7½		CD/TC-2	350
-2		1531 1½ BB	65.0	60'		2			250
PHY-1		60-2A	45.0	60'		2		CD/B	250
-2		60-1½ A	26.0	60'		1½			200

FIRST FLOOR INDUCTION BOX UNITS

MK	MFR.	No.	CFM	INLET	MBH	GPM	ΔP H2O	RAD. LW-CF 1.5" INLET 125	250	500	1000	2000	DISCH. LW-CF 1.5" INLET 125	250	500	1000	2000	CONTROL	WT
4	BARBER-COLMAN	HPPE-4 HPPX-4	130-260	4"Ø	17.1	2.0	.5"	51	48	41	37	34	45	51	41	30	25	CD/IB-1	75
5		-5 -5	200-400	5"Ø	21.4	2.0	.5"	53	50	42	38	35	49	53	43	33	29		75
6		-6 -6	300-600	6"Ø	30.2	2.0	.5"	54	51	44	39	36	51	54	44	35	31		75
7		-7 -7	400-800	7"Ø	33.8	2.0	.5"	56	52	45	39	36	54	56	46	37	34		100
8		-8 -8	500-1050	8"Ø	37.1	2.0	.5"	57	53	46	40	37	56	57	47	39	36		100
10		-10 -10	800-1650	10"Ø	46.5	2.0	.5"	59	54	47	40	38	59	59	50	41	39		100
12		-12 -12	1200-2350	12"Ø	73.0	2.0	.5"	60	55	49	41	39	62	61	52	43	42		125
14		-14 -14	1600-3200	14"Ø	121.6	4.0	.5"	62	56	50	42	39	64	62	53	45	44		125

BOILER

MK.	MFR	No.	MBH IN	WATER IN	WATER OUT	MBH OUT	HEATING SURFACE	ΔP' H2O	CONTROL	WT
B-1	PARKER	T-1140	1140	170	200	912.0	139 Sq. Ft.	2.0	CD/B	1500

AS BUILT

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CONSULT. ENGINEER

STRUCTURAL SAFETY SECTION
DATE 27 79
By Mackenzie & Mas
PROJECT NO. 4235
APPLICATION NO.
DEPARTMENT USE ONLY
APPROVED
DATE
BY
STORM DRAIN

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CONFER CROSSEN & ASSOCIATES
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EQUIPMENT SCHEDULES
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE SAN PABLO CALIFORNIA

SHEET M-5
OF
DATE 8-24-79
JOB No. 770-71A

NOTES:

A. EXISTING MANHOLE - PROVIDE EXTENSIONS UP WITH RUNGS & RESET TOP TO NEW FINISH WALKWAY. REMODELED MH. IS TO BE SIMILAR TO ONE DESCRIBED ON SHEET P.5 MANHOLE DETAIL.

B. EXISTING MANHOLE - RESET TOP IN NEW FINISH GRADE. COVER IS TO BE SIMILAR TO ONE DESCRIBED ON SHEET P.5 MANHOLE DETAIL.

C. RELOCATE BACKFLOW PREVENTER (A) OUT OF THE LINE OF THE NEW WALKWAY (TO SOUTH SIDE) AND RECONNECT.

D. EXISTING MANHOLE-RESET TOP TO NEW FINISH GRADE.

E. MAKE NEW 6" SD CONNECTION TO (E) TRENCH. BOTTOM OF PIPE IS TO BE AT BOTTOM OF (E) TRENCH. PIPE IS TO EXTEND INTO TRENCH 2 FEET. FILL OPEN END (2'-0") OF PIPE WITH COMPARABLE ROCK THAT IS IN (E) TRENCH.

(E) LIBRARY

(E) HEALTH SCIENCE BLDG.

(E) BLDGS.

APPLIED ARTS COMPLEX
FIN. FL. 87.00'

LB 'A'
RIM-68.50'
I.E. 66.50'

NEW CONNECTION

6" SD

SEE NOTE 'A' ABOVE

CB-'A'
RIM-73.25'
I.E.- 71.25'

(E) SS MH
RIM 68.00'
I.E.-61.40'

(E) 3" HP GAS

MAKE NEW 3" CW CONNECTION TO (E) 6" CW

EXISTING CB. RESET AT NEW FINISH GRADE & RECONNECT.

AD-1
RIM 80.00'
CONNECT TO EXISTING SD

(E) SD

AD-1
RIM 81.25'
CONNECT TO EXISTING CB

(E) CB

(E) 6" SS

(E) 12" HP CW

AD-1 RIM

SEE NOTE 'D' ABOVE

(E) 6" CW

(E) FL GV TYPICAL

(E) HP GAS

(E) GAS METER (COLLECT NEW 3" GAS LINE TO EXISTING MAIFOLD DOWNSTREAM OF METER. PROVIDE GV ON NEW 3" AT METER. ALTER AND OR REPLACE METER IN ACCORDANCE WITH LOCAL UTILITY COMPANY'S REQUIREMENTS

REMOUNTING OF PG&E HIGH PRESSURE GAS MAIN DUE TO CONFLICT W/ (E) UNDERGROUND UTILITIES (C.O. #24)

NOTE: MAINTAIN 30" BURY UNDER ROAD FOR DT & SD IN THIS AREA

AD-1 RIM 97.00'

(E) 8" HP CW

(E) 6" CW

(N) CB "B"
RIM-96.50'
I.E.-93.75

MAKE NEW 6" SD CONNECTION TO (E) 36" SD

MATCH LINE SEE SHEET P.2 FOR CONTINUATION

(E) 36" SD TO REMAIN

(E) FH

SEE NOTE 'C' ABOVE

(E) 6" SS

(E) BACKFLOW PREVENTER FOR IRRIGATION CAP LINE DOWN STREAM AND UNDERGROUND AT THIS VALVE ASSEMBLY SEE NOTE 'C' ABOVE.

AD-1
RIM 68.50'

RIM 73.40'
I.E.-64.60'

(N) LB 'A'
RIM 69.50'
I.E.-78.50'

(E) SS MH
MAKE NEW CONNECTION SEE NOTE 'A' ABOVE

SEE NOTE 'B' ABOVE

(E) 12" HP CW

(E) SD MH
TO REMAIN WITH NEW CONNECTIONS
RIM-71.60'
I.E.-59.60'

AD-1
RIM 68.50'

CAP & PLUG PIPE WITH 2 FEET OF REINFORCED CONCRETE FLUSH TO INSIDE OF MH (WATERTIGHT)

(N) SD MH
RIM AT FINISH GRADE
I.E. 70.00'

NEW 8" CONNECTION

(E) TEST TRENCH

SEE NOTE 'E' ABOVE

AD-1
RIM 69.50'

(E) 36" SD
REMOVE BETWEEN (E) MH (N) MH
APPROX. 175 FEET.

AD-1
RIM 80.00'

SEE SHT. P.3

(E) TEST TRENCH. SEE SOILS REPORT DATED JUNE 17, 1976 VERIFY LOCATION & DEPTH

RETAINING WALL

NEW 6" CAST IRON SD UNDER BLDG.

SOLID CAST IRON PIPE RISER

AD-1 RIM. AT FINISH GRADE (TYPICAL) OR AS INDICATED BY RIM ELEVATION

AD-1
RIM 65.50'

CB-'A'
RIM-69.50'
I.E.-63.50'
THIS CB ONLY IS IN ALTERNATE #2
SEE ARCH.

AD-1
RIM-69.50'

GC IN CONCRETE BOX W/COVER

FOR PRESSURE REDUCING ASSEMBLY AND BACKFLOW PREVENTER SEE DETAIL P.5

SEE SHT. P.2

FURNISH AND INSTALL ROCKWELL SERIES 120 GAS REGULATOR (1LB DN. TO 7"W.C.) IN CONCRETE BOX WITH COVER MARKED "GAS REGULATOR" WITH GAS COCK UP STREAM IN SAME BOX. PROVIDE 1" VTR FROM REGULATOR INTO BOILER

AD-1
RIM- 70.50'

SEE SHT. P.3

CB-'A'
RIM-86.25'
I.E.-84.25'

CB-'A'
RIM-71.00'
I.E.-69.00'

AD-1
RIM-63.50'

REMOVE (E) 12" SD

REMOVE (E) CB

(N) 36" SD

AD-1
RIM-86.25'

AD-2
86.25'

SEE SHT. P.3

(E) 12" SD REMOVE

AD-1
RIM-86.25'

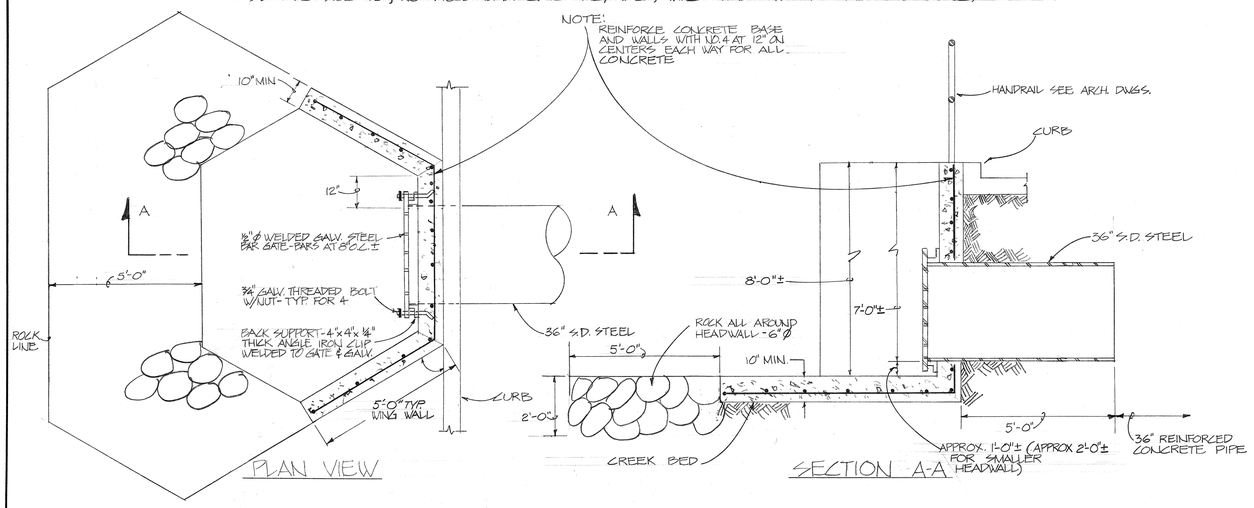
AD-1
RIM-86.25'

AD-1
RIM 86.25'

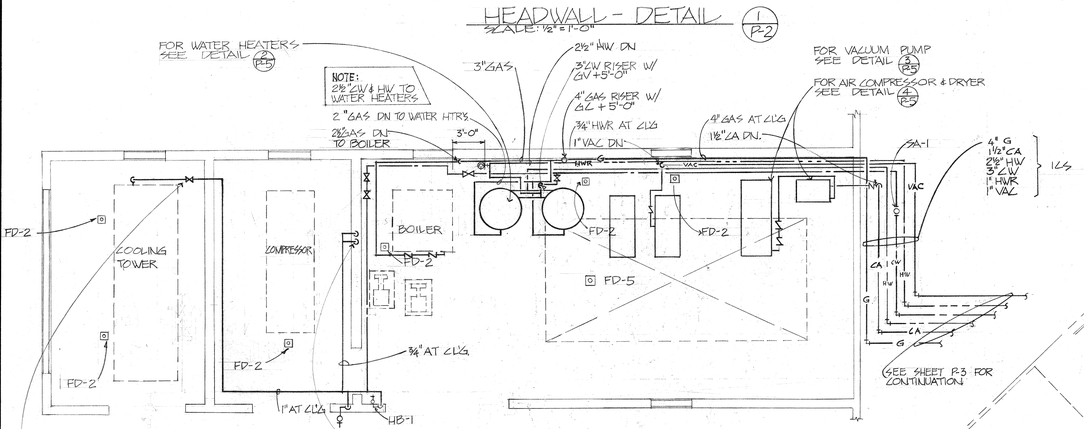
AD-1
RIM 86.25'

AD-1
RIM

NOTE 'X':
HEADWALL FOR SMALLER STORM DRAIN LINE IS TO BE SIMILAR TO THIS DETAIL WITH THE FOLLOWING EXCEPTIONS. SD PIPE SIZE 10"; NO STEEL BAR GATE REQUIRED; WING WALL IS TO BE 3'-0" LONG;



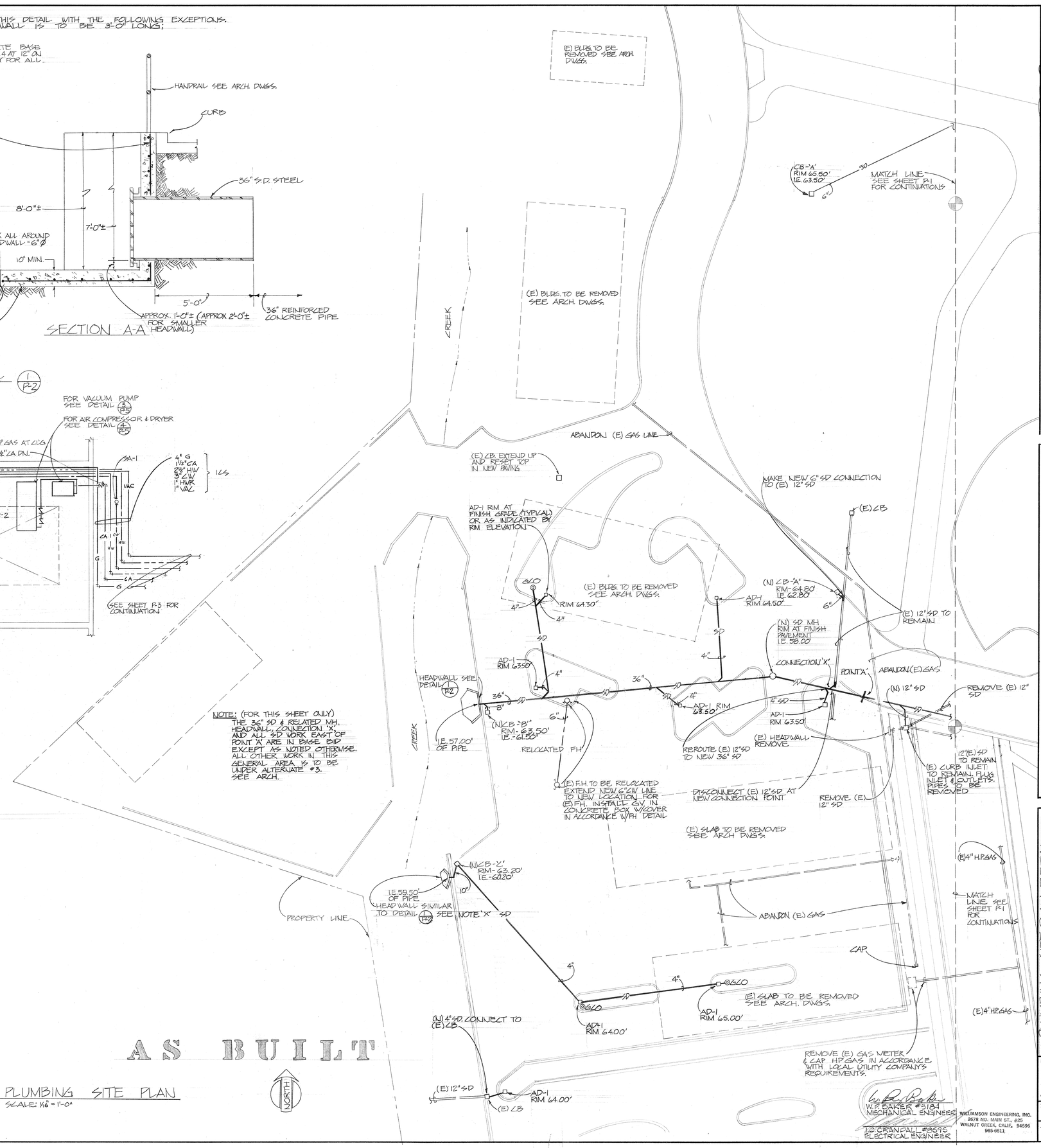
HEADWALL - DETAIL
SCALE: ½" = 1'-0" (1/P-2)



BOILER ROOM PLUMBING DETAIL
SCALE: ¼" = 1'-0" (2/P-2)

NOTES:
1. ALL CONTROLS FOR OPERATING EQUIPMENT (THAT ARE NOT AN INTEGRAL PART OF THE EQUIPMENT) ARE TO BE READILY ACCESSIBLE AND SUPPORTED ON WALLS + 48" ±.
2. ALL PIPING AND EQUIPMENT LOCATIONS ARE TO BE COORDINATED WITH MECHANICAL AND ELECTRICAL DRAWINGS. MECHANICAL AND PLUMBING PIPES ARE TO BE RUN TOGETHER WHEREVER POSSIBLE.
3. ALL DRAIN LINES TO FLOOR DRAINS ARE TO BE RUN ON WALLS, NOT ON THE FLOORS. DRAIN LINES ARE TO BE COPPER.
4. ALL PIPING IS TO BE KEPT AS HIGH AS POSSIBLE AND RACKED TOGETHER.

NORTH



NOTE: (FOR THIS SHEET ONLY) THE 36" SD & RELATED MH, HEADWALL, CONNECTION 'X', AND ALL SD WORK EAST OF POINT 'X' ARE IN BASE BID EXCEPT AS NOTED OTHERWISE. ALL OTHER WORK IN THIS GENERAL AREA IS TO BE UNDER ALTERNATE #3. SEE ARCH.

AS BUILT

PLUMBING SITE PLAN
SCALE: 1/16" = 1'-0"

NORTH

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OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
DSA 26179
Per Gil Mendoza Jones
Professional Engineer, Structural
APPLICATION NO. 4285.6
FIRE CLEARANCE ONLY
DEC 24 1979
JMC

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PLUMBING-SITE PLAN-PARTIAL
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CONCORD CALIFORNIA

SHEET P-2
OF
DATE 8-24-79
JOB No. 770-71A

21-3

PLUMBING FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"
FINISH FLOOR EL. 87.00'

NOTE: ALL WASTE LINES IN FIRST FLOOR CEILING SPACE ARE TO BE INSULATED SIMILAR TO HW. SEE SPEC.

NOTE: (FIXTURES P-1)

WATER CLOSETS ARE SHOWN AS FLOOR MOUNTED TYPE FOR CLARITY ONLY. ALL FLUSH VALVE WATER CLOSETS ARE TO BE WALL HUNG AND ARE TO BE CONNECTED TO THE SEWER MAIN INDIVIDUALLY WITH NO HORIZONTAL RUNS IN WALLS BEHIND FIXTURES. SEE FIXTURE LIST AND CONNECTION SCHEDULE SHEET P-6 FOR EXACT TYPE.

NOTE: ALL PIPING THAT IS EXPOSED, DUE TO THE LACK OF FURRING, IS TO BE RUN AT RIGHT ANGLES TO BLDG LINES.

NOTE: FURNISH & INSTALL A HALON FIRE EXTINGUISHING SYSTEM IN DATA PROCESSING LAB 156 IN ACCORDANCE WITH NFPA AND LOCAL CODES. SUBMIT SYSTEM FOR APPROVAL PRIOR TO INSTALLATION.

NOTE: ALL PIPE PENETRATIONS OF SOUND WALLS IN FIRST AND SECOND FLOOR CEILING SPACES ARE TO HAVE ESCUTCHEONS ON BOTH SIDES OF GYP. BOARD PACKED BETWEEN WITH FIBERGLASS.

AS BUILT

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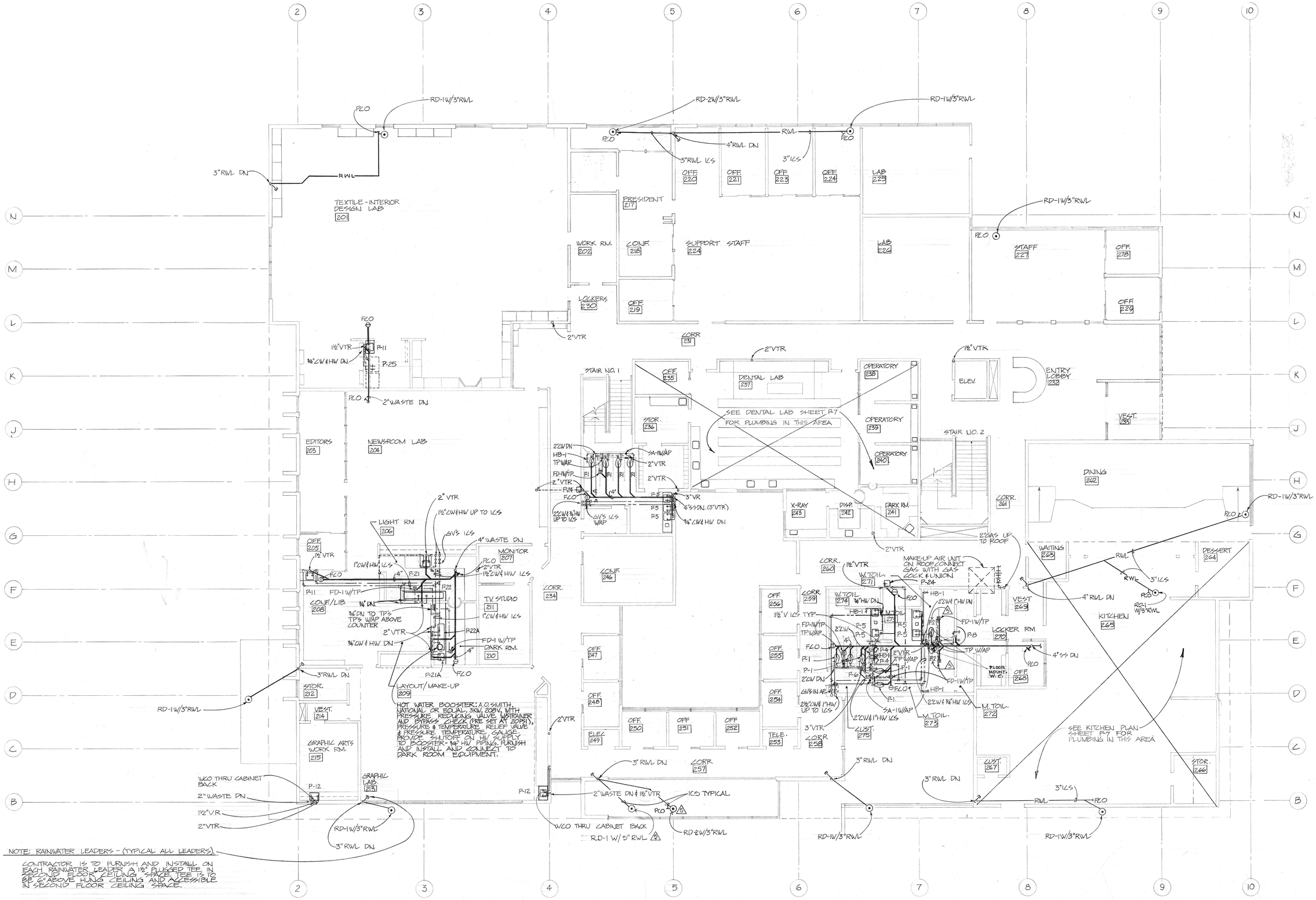
PLUMBING - 1ST FLOOR PLAN
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA

SHEET P-3
OF
DATE 8-24-79
JOB No. 770-71A

21-3



ARCHITECT
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STRUCTURAL SAFETY SECTION
APPROVED
DATE 2-4-79
BY
APPLICATION NO.
49856

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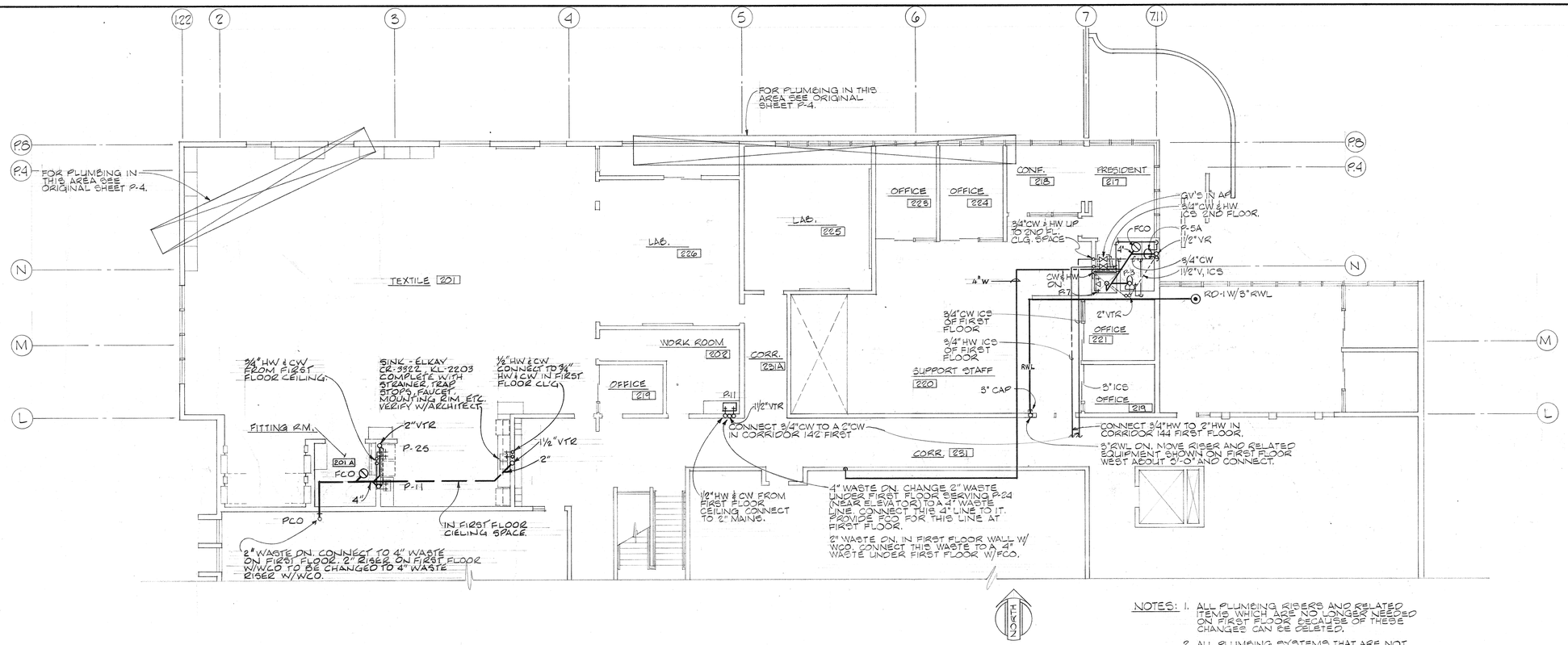
PLUMBING - 2ND FLOOR PLAN
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

SHEET P-4
OF
DATE 8-24-79
JOB No. 770-71A

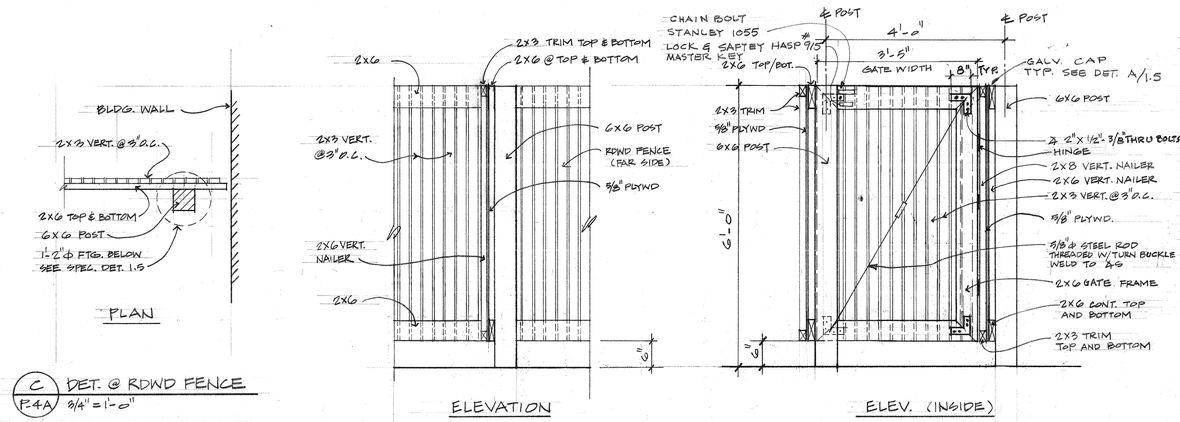


PARTIAL SECOND FLOOR PLAN - PLUMBING LAYOUT

SCALE: 1/8"=1'-0"

NOTES: 1. ALL PLUMBING RISERS AND RELATED ITEMS WHICH ARE NO LONGER NEEDED ON FIRST FLOOR BECAUSE OF THESE CHANGES CAN BE DELETED.

2. ALL PLUMBING SYSTEMS THAT ARE NOT EXPRESSLY ALTERED AND/OR CHANGED ON THIS DRAWING SHALL REMAIN THE SAME AS SHOWN ON THE ORIGINAL DRAWINGS AND SPECIFICATIONS.



C / P.4A DET. @ RDWD FENCE
3/4" = 1'-0"

B / P.4A DET. @ RDWD FENCE
3/4" = 1'-0"

A / P.4A DET. @ RDWD GATE
3/4" = 1'-0"

CHANGES IN ROOM EQUIPMENT:

ITEMS TO BE DELETED

ROOM NO.	ITEM :	QUANTITY
201	CABINET # 240	4
"	" 502	2
"	" (W/LOCK) 447	2
"	" 429	2
"	" 417	1
"	" 531	1
"	" 141	1
"	" 250	1
"	FITTING MIRROR	1

ITEMS ADDED :

ROOM NO.	ITEM :	QUANTITY
201	CABINET # 302	4
"	" 101	2
"	" 142	2
"	" 301	1
"	" 102	1
"	" 188	1
"	" 230	1
"	MODIFIED LAB. # 302 TO 18" HIGH	2
"	"ELKAY" DBL. SINK SET (#ER-3322, #LK-2203)	1

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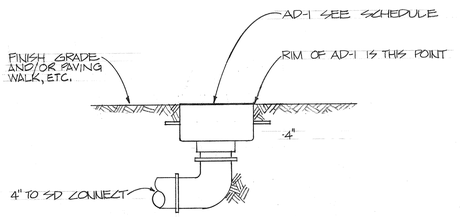
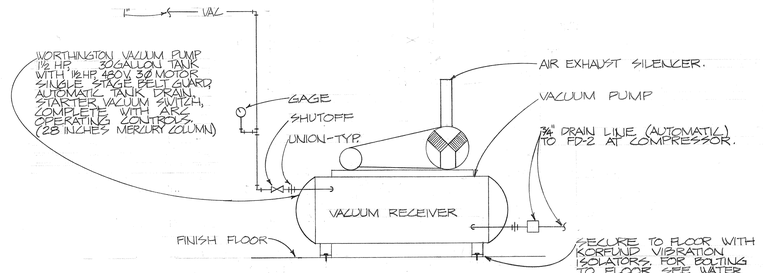
PARTIAL SECOND FLOOR PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
COCCD
CALIFORNIA

SHEET P-4A
OF
DATE 6/11/80
JOB No. 2102-80

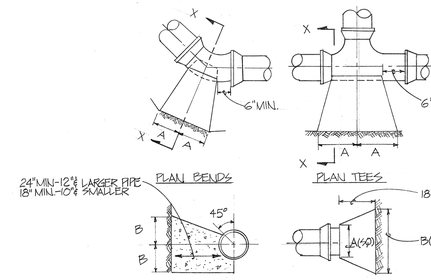


TYPICAL AD-1 DETAIL
N.T.S.



VACUUM PUMP DETAIL (3/P-5)
N.T.S.

NOTE: SEE AIR COMPRESSOR DETAIL (4/P5) FOR NOTES #1, 2 & 3



NOTE:

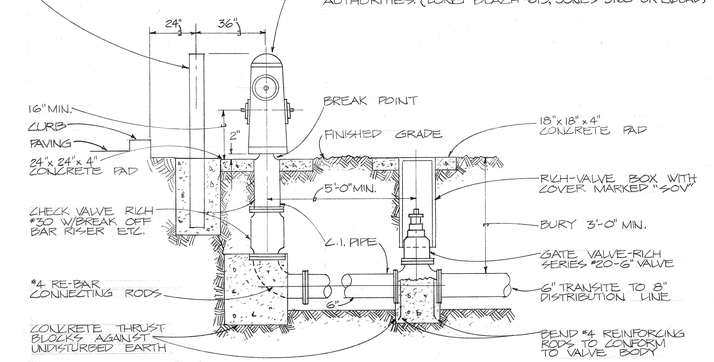
THRUST BLOCKS SHALL BE PROVIDED ON ALL PRESSURE LINES AT BENDS AND/OR TEES.

TYPE SIZE		½ BENDS		⅛ BENDS		⅙ BENDS		TEES		PLUGS	
		A	B	A	B	A	B	A	B	A	B
TYPE II 2000 PSI	3", 4" & 6"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
	8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"
	10"	26"	17"	14"	17"	10"	13"	16"	20"	14"	36"

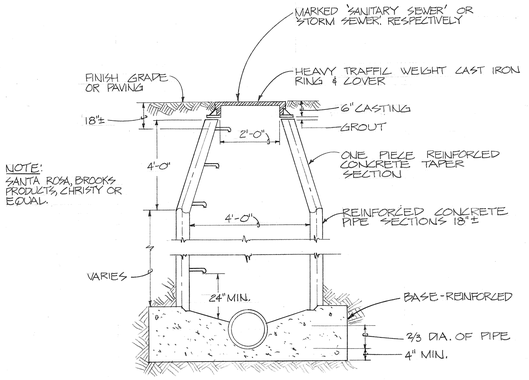
NOTE:

BASED ON 100 PSI STAT. PRESSURE PLUS A.W.W.A. WATER HAMMER. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.

STANDARD THRUST BLOCKS FOR WATER & FL MAINS
N.T.S.



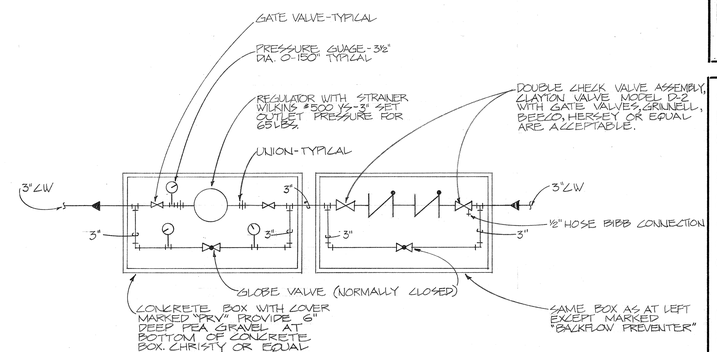
FIRE HYDRANT DETAIL
N.T.S.



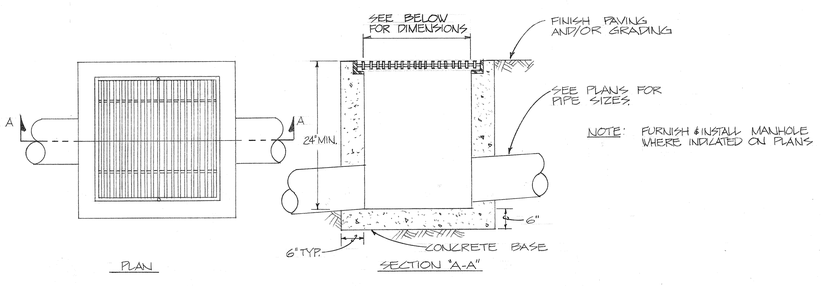
NOTE:
SANTA ROSA, BROOKS PRODUCTS, CHRISTY OR EQUAL

NOTES:
1. FOR SIZE OF PIPING SEE SHEETS P-1 & P-2
2. STEPS TO BE GALVANIZED & COATED WITH ASPHALTUM PAINT.

TYPICAL SS & SD MANHOLE DETAIL
N.T.S.



PRESSURE REDUCING STATION & BACKFLOW PREVENTER DETAIL (1/P-5)
N.T.S.

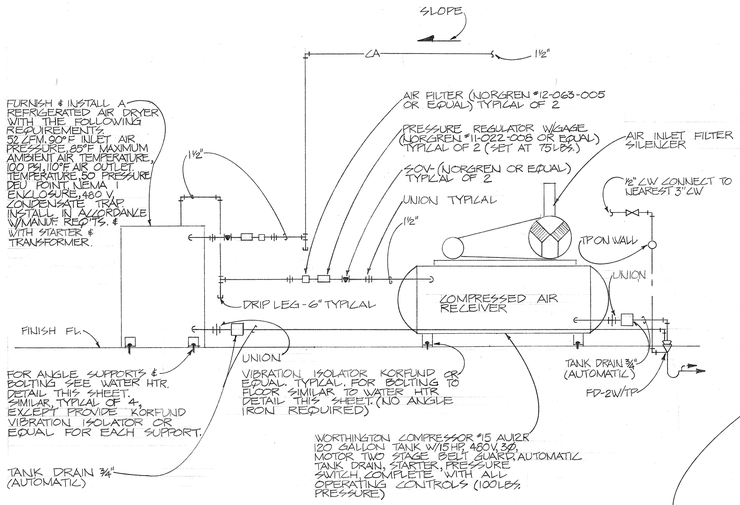


NOTE: FURNISH & INSTALL MANHOLE WHERE INDICATED ON PLANS

NOTE:
BROOKS PRODUCTS: CHRISTY, SANTA ROSA OR EQUAL W/POURED CONCRETE BOTTOM, CATCH BASINS TO HAVE GALV. STEEL TRAFFIC GRATES. SECURE GRATE TO CATCH BASIN W/TWO OPPOSING BOLTS. (VANDAL PROOF) CATCH BASINS TO BE FURNISHED W/EXTENSIONS WHEN NECESSARY.

TYPICAL CATCH BASIN DETAIL
N.T.S.

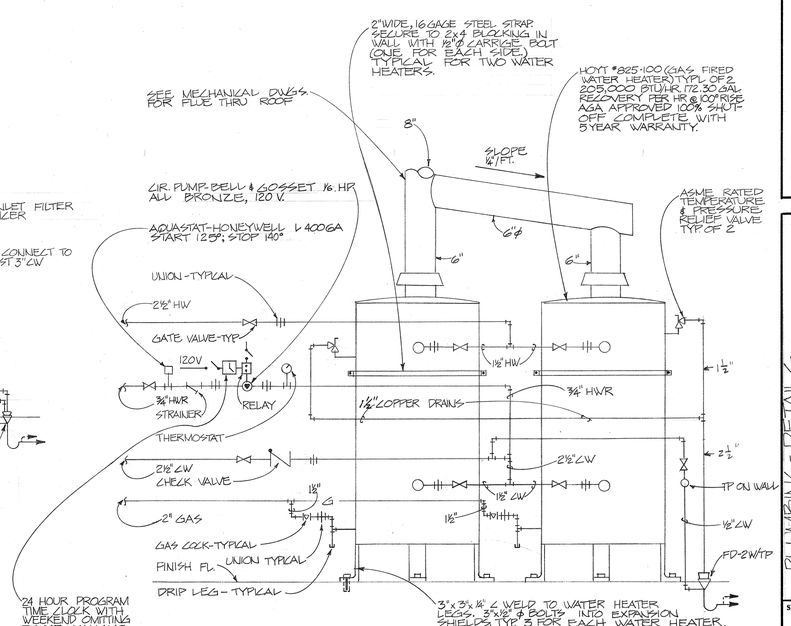
CB-'A' - 24" x 24"	DEPTH AS REQUIRED IF NOT INDICATED ON PLANS
CB-'B' - 30" x 30"	
CB-'C' - 36" x 36"	



NOTES:
1) COMPRESSED AIR PIPING IS TO BE SCHEDULE 40 BLACK STEEL WITH BLACK MALLEABLE IRON SCREWED FITTINGS.
2) SLOPE ALL MAINS BACK TO COMPRESSOR
3) SEE SPECIFICATIONS FOR HANGERS.

AIR COMPRESSOR DETAIL (4/P5)
N.T.S.

AS BUILT



HOT WATER HEATER DIAGRAM (2/P5)
N.T.S.

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ARCHITECT | STRUCT. ENGINEER | CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
AUG 2 4 1979
BY JMC

DSA 27-79
By [signature]
Registered Professional Engineer
APPLICATION
42351

PLUMBING - DETAILS
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE CCCCD CALIFORNIA
SAN PABLO

SHEET P-5
OF
DATE 8-24-79
JOB No. 770-7/A

FIXTURE LIST & CONNECTION SCHEDULE

FIXURE NUMBERS LISTED ARE AMERICAN STANDARD & ARE FOR ILLUSTRATIVE PURPOSES ONLY. ELJER OR KOHLER SAME QUALITY PATTERN & MAINTAINABILITY ARE ACCEPTABLE. STOPS SPEEDWAY OR EQUAL, CARRIERS SMITH, WADE OR EQUAL. TRAPS AMERICAN STANDARD OR EQUAL. ALL EXPOSED TRIM & METAL ITEMS SHALL BE CHROME PLATED.

CODE	DESCRIPTION	WASTE	TRAP	VENT	CW	HW	SPECIFICATIONS
P-1	WATER CLOSET FLUSH VALVE	4"	—	2"	1½"	—	GLENCO #2502.011. SEAT CHURCH #5321.070. FLUSH VALVE DELANY #402 VB CARRIER SMITH #411-SERIES SEE NOTE 'C' BELOW.
P-2	WATER CLOSET FLUSH VALVE	4"	-	2"	1½		NEOLO # 2529.14, SEAT; CHURCH # 5321.070, FLUSH VALVE; DELANY #402VB. SEE NOTE 'C' BELOW
P-3	WATER CLOSET TANK	4"	—	2"	½"	—	CADET #2109.056 COMPLETE. SEAT CHURCH #5330.063. STOP SPEEDWAY #R-3712 DL.
P-4	URINAL	2"	-	2"	1"	-	WASHBROOK #6500.011. FLUSH VALVE DELANY #451 VB. CARRIER SMITH #637.
P-5 & P-5A	LAVATORY	2"	1¼x1½"	1½"	½"	½"	MERRILYN #0140.012. S.S. MT'G RIM. FOR FAUCET SEE NOTE 'D' BELOW. STOPS SPEEDWAY #RSST-1715A. TRAP #4402.012. (P5A SIMILAR EXCEPT FAUCET #2746-E12)
P-6	SERVICE SINK	3"	3"	2"	¾"	¾"	FLORWELL #7740.020 W/GUARD #7745.011. FAUCET CHICAGO #956-RW/VAC. BRKR. CHROME PLATED STRAINER-3".
P-7	SHOWER	2"	2"	2"	½"	½"	SHOWER #2152.017, 36" SQ. POWERS REGULATOR CO. CONTROL #422 W/STOPS #22 SHOWER HEAD #55. STRAINER CHROME PLATED-3" (FOR DOOR SEE ARCH. DWGS)
P-8	WASH FOUNTAIN	3"	3"	2"	¾"	¾"	BRADLEY #CFC 36" SEMI-CIRCULAR PRECAST TERRAZZO BOWL, SOAP DISPENSER, S.S. FOOT LEVER. COLOR BY ARCHITECT. PROVIDE G.V.'S ON CW & HW WITHIN UNIT. TRAP CHROME PLATED. VANDALPROOF & HANDICAPPED EQUIPPED.
P-9	EYE WASH DENTAL LAB	2"	2"	1½"	¾"	—	HAWS #7060-DM COMPLETE WITH MOUNTING DEVICE & VALVE WITH LEVER.
P-10	EYE WASH CRIMINAL JUSTICE APPL. REPAIR	2"	2"	1½"	¾	—	HAWS #7060 BT COMPLETE WITH CARRIER, VALVE & TRAP.
P-11 P-11A	SINK	2"	1½x1½"	1½"	½"	½"	ZEIGLER-HARRIS #1821S-ZLC. STRAINER #4320.016. FAUCET CHICAGO #1201. TRAP #4403.010. STOPS SPEEDWAY RSST.-3720 A. SEE NOTE 'F' BELOW.
P-12	SINK	2"	1½"x1½"	1½"	½"	½"	ZEIGLER-HARRIS #1818S-ZOC. STRAINER #4320.016. FAUCET #2238.285. TRAP #4403.010. STOPS SPEEDWAY RSST-3720-A.
P-13	DEVELOPING TANK DENTAL LAB	2"	1½"x1½"	1½"	¾"	¾"	ROUGH-IN & CONNECT. PROVIDE SHUTOFFS AT WALL BEHIND UNIT.
P-14	SINK DENTAL LAB	2"	1½"x1½"	1½"	¾"	¾"	ZEIGLER-HARRIS OR EQUAL 30"x20"x10" DEEP 316 S.S. (OTHER SAME AS P-15)
P-15 P-15A	SINK DENTAL LAB	2"	1½"x1½"	1½"	½"	½"	ZEIGLER-HARRIS #H2418S-ZOC. STRAINER #4320.016. FAUCET #7522.030 W/FOOT LEVER #7680.010. TRAP SMITH #8760 W/SCREEN ALL STAINLESS STEEL. STOP SPEEDWAY RSST-3720-A. SEE NOTE 'E' BELOW.
P-16	SINK DENTAL LAB	2"	1½"x1½"	1½"	½"	½"	ZEIGLER-HARRIS #H2118S-ZØ7. (OTHER SAME AS P-15).
P-17	SINK DENTAL LAB	2"	1½"x1½"	1½"	½"	½"	ZEIGLER-HARRIS #H1919S-ZL7. STRAINER #4320.016 FAUCET CHICAGO #1201. TRAP #4403.010. STOPS SPEEDWAY #RSST-3720-A.
P-18	SINK DENTAL LAB	2"	1½"x1½"	1½"	½"	½"	ZEIGLER-HARRIS #H1614S-ZØA. STRAINER #4320.016. FAUCET 7522.030 W/FOOT LEVER #7680.010. TRAP SMITH #8760 W/SCREEN ALL STAINLESS STEEL. STOPS SPEEDWAY RSST-3720-A.
P-19	AUVELOPER DENTAL LAB	2"	1½"x1½"	1½"	½"	½"	ROUGH-IN & CONNECT. PROVIDE SHUTOFFS AT WALL BEHIND UNIT.
P-20	SINK DENTAL LAB	2"	1½"x1½"	1½"	½"	½"	ZEIGLER-HARRIS #H2121S-ZLC. (OTHER SAME AS P-11)
P-21 & P-21A	SINK DARK ROOM	2"	1½"x1½"	1½"	¾"	¾"	SEE NOTE 'A' BELOW
P-22 & P-22A	SINK DARK ROOM	2"	2"	1½"	¾"	¾"	SEE NOTE 'B' BELOW
P-23	CLEANING ROOM SURVEY LAB	—	—	—	¾"	¾"	FAUCET CHICAGO #956-RW/VAC BRKR.
P-24	DRINKING FOUNTAIN	2"	1¼"x1½"	1½"	½"	—	HAWS #HWR-8 COMPLETE W/TRAP HANGER, BUBBLER, COOLING UNIT, ETC. STOP SPEEDWAY #T-82, COLOR BY ARCHITECT.
P-25	WASHER	2"	2"	2"	½"	½"	ROUGH-IN & CONNECT. HB-1 FOR CW & HW & 2" WASTE STANDPIPE.
⚠5 P26	EMERGENCY SHOWER	—	—	—	1¼"	—	HAWS # 8100 COMPLETE WITH STANDARD HEAD, VALVE WITH LEVER, AND IDENTIFICATION SIGN.

NOTE:
FIXTURES P-15 & P-18. INSTALL TRAP WITH CLEARANCE TO ALLOW FOR CLEANING.

NOTE 'A':
FIXTURE P-21 SIMILAR TO P-22 EXCEPT ZEIGLER-HARRIS #H2418S-ZØ7 AND FAUCET WITH 4" WRIST BLADE HANDLES.

FIXTURE P-21A SIMILAR TO P-21 EXCEPT FAUCET IS KREONITE #KF 220.

NOTE 'B':
FIXTURE P-22 ZEIGLER-HARRIS 96"x24"x8" DEEP. 316 SS FAUCET KREONITE INC. #KFC 110VB, WATER FILTER #KWF-600, TEMP BL W/JETS #KTB-251 FAUCET WITH SPRAY #KF-320S. TEE OUTLET #KTBT. (FOR ALL FAUCETS) STOPS SPEEDWAY. RSST. 3720A, STRAINERS #4320.016. TRAPS #4403.010

FIXTURE P-22A SIMILAR TO P-22 EXCEPT ZEIGLER-HARRIS #60"x24"x8" DEEP, 316SS. FURNISH & INSTALL HOT WATER BOOSTER AND CONNECT. SEE SHEET P-4.

NOTE 'C':
ALL WATER CLOSETS INSTALLED IN A HANDICAPPED STALL OR SPACE ARE TO HAVE A DOUBLE SEAT. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF HANDICAPPED STALLS & SPACES. SEAT BENEKE #L-507M.

NOTE 'D':
FAUCET CHICAGO #404-E12 WITH #317 4" WRIST BLADE HANDLES.

NOTE 'E':
FIXTURE P-15A IS SIMILAR TO P-15 EXCEPT FAUCET #2238.285 AND NO FOOT LEVER.

NOTE 'F':
FIXTURE P-11A IS SIMILAR TO P-11 EXCEPT FAUCET WITH #317 4" WRIST BLADE HANDLES.

DRAINS & MISCELLANEOUS SCHEDULE

CODE	DESCRIPTION	MFGR & CAT NO.	WASTE	TRAP	VENT	SPECIFICATIONS-SMITH, JOSAM, WADE OR EQUAL
FS-1	FLOOR SINK	SMITH #3100	3"	3"	2"	ENAMELED PORCELAIN INTERIOR & POLISHED DOME STRAINER. CLAMPING COLLAR, 3" OUTLET, AND HALF GRATE-POLISHED NICKEL BRONZE.
FS-2	FLOOR SINK	SMITH #3100	3"	3"	2"	SIMILAR TO FS-1 EXCEPT W/FULL GRATE.
FS-3	FLOOR SINK	SMITH #3100	3"	3"	2"	SIMILAR TO FS-1 EXCEPT W/2½" DIA. HOLE IN FULL GRATE.
FD-1	FLOOR DRAIN (W/TP CONNECTION)	SMITH #2010-A	2"	2"	2"	6" POLISHED BRONZE STRAINER, CLAMPING DEVICE, VANDALPROOF SCREWS AND TP CONNECTION. (SEE ARCH. FOR EXACT SLOPE OF FLOORS TO F.D.)
FD-2	FLOOR DRAIN (W/TP CONNECTION)	SMITH #2010-A	2"	2"	2"	SAME AS FD-1 EXCEPT W/FUNNEL #3580 WITH SECURING SCREWS.
FD-3	FLOOR DRAIN	SMITH #2230	2"	2"	2"	NICKEL BRONZE TOP, VANDALPROOF, TP CONNECTION, FLASHING COLLAR.
FD-4	FLOOR DRAIN	SMITH #2220	4"	2"	2"	NICKEL BRONZE TOP, VANDALPROOF FLASHING COLLAR.
FD-5	FLOOR DRAIN	SMITH #2250	4"	2"	2"	GALVANIZED TOP W/TP CONNECTION & FLASHING COLLAR
RD-1	ROOF DRAIN	SMITH #1010	—	—	—	3" OUTLET, WITH UNDERDECK CLAMP, EXTENSION & SUMP RECEIVER
SA-1	SHOCK ABSORBER	SMITH #5030	—	—	—	INSTALL UPRIGHT IN ACCESS PANEL
WCO	WALL CLEANOUT	SMITH #4531	—	—	—	BRONZE PLUG W/STAINLESS STEEL COVER. RISER LINE SAME AS MAIN IT IS SERVING. VANDALPROOF.
PCO	PLUG CLEANOUT	SMITH	—	—	—	BRONZE, COUNTERSUNK TYPE.
TP	TRAP PRIMER	SMITH #2699	—	—	—	INSTALL IN WALL WITH ACCESS PANEL W/½" CW FROM TP TO FD IN FURRED SPACE.
FCO	FLOOR CLEANOUT	SMITH #4026	—	—	—	POLISHED BRONZE TOP CLAMPING DEVICE, W/CAST BRASS COUNTER'SUNK PLUG VANDALPROOF, FCO'S IN CARPETED AREAS IN ADDITION SHALL HAVE SMITH CARPET CLAMPING COLLAR.
GCO	GRADE CLEANOUT	SMITH #4106	—	—	—	NICKEL BRONZE TOP W/CAST BRASS COUNTERSUNK PLUG, VANDALPROOF EXTRA HEAVY COVER IN TRAFFIC AREAS.
HB-1	HOSE BIBB	CHICAGO #387	—	—	—	LOCK SHIELD CAP WITH REMOVABLE TEE. HANDLE ROUGH CHROMIUM PLATED.
GT-1	GREASE TRAP	SMITH #8025 GTX	—	—	—	PORCELAIN INTERIOR & EXTERIOR 3" INLET & OUTLET-25 GPM.
AD-1	AREA DRAIN	SMITH #2230	4"	—	—	WITH CLAMPING COLLAR & TRAFFIC COVER WHEN INSTALLED IN PAVING, WALKS, DRIVEWAYS ETC, VANDALPROOF. SEE DETAIL SHEET P-5.
RD-2	ROOF DRAIN	SMITH #1450	3"	-	-	3" OUTLET WITH UNDERDECK CLAMP EXTENSION & SUMP RECEIVER NICKEL BRONZE HEEL PROOF GRATE.

KITCHEN SCHEDULE

ROUGH-IN AND CONNECT ALL KITCHEN EQUIPMENT. ALL EXPOSED METAL IS TO BE CHROME PLATED. ALL DRAINS TO FLOOR SINKS ARE TO BE CHROME PLATED. ALL EXPOSED LINES ARE TO BE CHROME PLATED. ALL FIXTURES ARE TO HAVE INDIVIDUAL SHUTOFFS (FOR CW, HW & GAS ACCESSIBLE).

CODE	DESCRIPTION	WASTE	TRAP	VENT	CW	HW	GAS	SPECIFICATIONS
K-1	SINK-DEMONSTRATION TABLE	2"	—	—	¾"	¾"	—	
K-2	FOOD WARMER	2"	—	—	—	—	—	
K-3	BROILER	—	—	—	—	—	1¼"	
K-4	HOT TOP, OVEN RANGE	—	—	—	—	—	1¼"	
K-5	OVEN, THREE DECKS COMBINATION	—	—	—	—	—	3-1"	
K-6	STEAM COOKER	2"	—	—	½"	½"	—	
K-7	TWIN KETTLE	2"	—	—	½"	½"	—	
K-8	TILTING KETTLE	2"	—	—	½"	½"	—	
K-11	WORK TABLE WITH SINK	2"	—	—	¾"	¾"	—	
K-12	WORK TABLE WITH SINK	2-2"	—	—	¾"	¾"	—	
K-13	SINK	2-2"	—	—	2-¾"	2-¾"	—	
K-14	GARBAGE GRINDER	3"	3"	2"	¾"	—	—	
K-15	HOSE ON REEL	—	—	—	¾"	¾"	—	
K-16	ICE FLAKE MAKER	2-1"	—	—	½"	—	—	
K-17	SINK	2"	2"	1½"	¾"	¾"	—	
K-18	POT SINK	3-2"	—	—	3-¾"	3-¾"	—	
K-19	DISHWASHER	2" & 1"	—	—	—	1"	—	
K-20	SPRAY RINSE	—	—	—	¾"	¾"	—	
K-21	SOILED WARE TABLE	—	—	—	—	—	—	
K-22	SINK	2"	2"	1½"	½"	½"	—	
K-23	BEVERAGE SYSTEM	2"	—	—	½"	—	—	
K-24	COFFEE MAKER	1"	—	—	½"	—	—	
K-25	ICE TEA MAKER	1"	—	—	½"	—	—	

NOTE:
ROUGH-IN AND CONNECT ALL KITCHEN EQUIPMENT. PROVIDE SHUTOFFS ACCESSIBLE UNDER COUNTERS UNLESS NOTED OTHERWISE. ALL EXPOSED METAL IS TO BE CHROME PLATED. SEE SPEC. SECTION 11400 FOR ADDITIONAL PLUMBING INFORMATION.

LEGEND

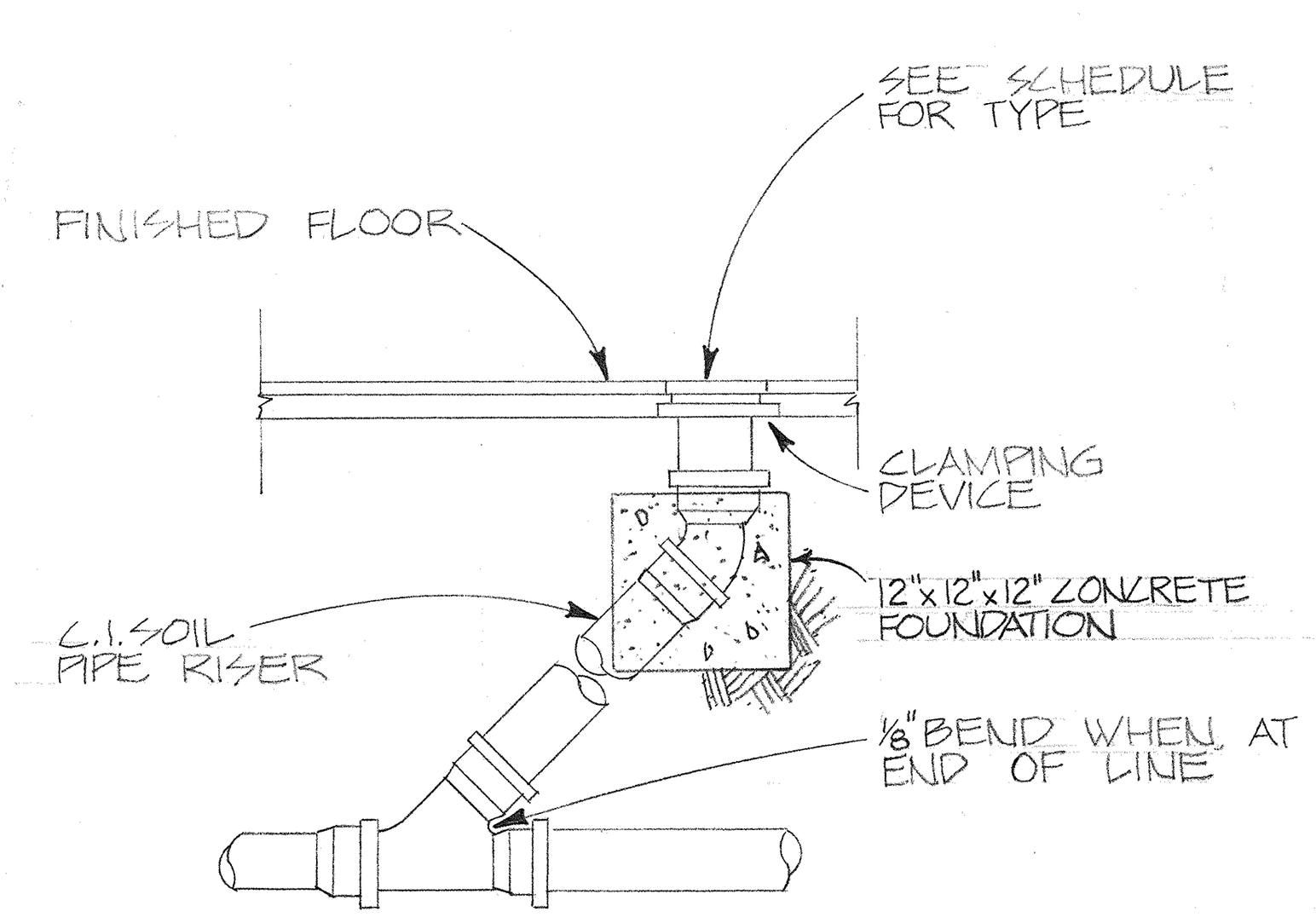
SYMBOL	ABBR.	DESCRIPTION
═══		EXISTING LINE (TYPE DESIGNATED)
───	SS	SANITARY SEWER ABOVE GRADE
─ ─	SS	SANITARY SEWER BELOW GRADE
		GATE VALVE IN CONCRETE BOX W/COVER
		GAS COCK IN CONCRETE BOX W/COVER
		UNION
	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
	V	VENT
	VTR	VENT THRU ROOF
	VR	VENT RISE
—G—	G	GAS
—CD—	CD	CONDENSATE DRAIN
	GV	GATE VALVE (ACCESSIBLE)
	GC	GAS COCK
	HB	HOSE BIBB
	GCO	GRADE CLEANOUT
	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN (FS-FLOOR SINK)
	GV	GATE VALVE ON RISER (ACCESSIBLE)
—A—	AO	AIR OUTLET (SEE DWG FOR TYPES)
—G—	GO	GAS OUTLET SEE DWG FOR TYPES)
—SD—	SD	STORM DRAIN
	CB	CATCH BASIN
	RD	ROOF DRAIN
	MH	MANHOLE (EMH-EXISTING MANHOLE)
—OXY—	OXY	OXYGEN
—N_2O—	N_2O	NITROUS OXIDE
—VAC—	VAC	VACUUM
—DT—	DT	DRAINAGE TILE
	AD	AREA DRAIN
	FH	FIRE HYDRANT
	E	EXISTING
	WCO	WALL CLEANOUT
	PCO	PLUG CLEANOUT
	RWL	RAIN WATER LEADER
	A	AIR
	ICS	IN CEILING SPACE
	AP	ACCESS PANEL
	FSH	FIRE SPRINKLER HEAD

GENERAL NOTES

1. VERIFY ALL SITE CONDITIONS PRIOR TO BIDDING
2. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR LOCATING EXISTING SERVICES AND MAKING SERVICEABLE CONNECTIONS TO SAME.
3. HOSE BIBBS SHALL BE UP 1'-6" UNLESS OTHERWISE SHOWN OR APPROVED BY THE ARCHITECT.
4. ALL UNDERGROUND PIPING SHALL BE RUN WITH A MINIMUM OF 2'-0" COVER BELOW FINISH GRADE UNLESS OTHERWISE SHOWN OR APPROVED BY THE ARCHITECT
5. COORDINATE DETAIL LOCATION OF FIXTURES, VALVE BOXES ETC. W/ARCHITECTURAL AND SITE DRAWING REQUIREMENTS.
6. CONTRACTOR SHALL CONSULT THE LOCAL UTILITY CO., & STORM WATER DISTRICT TO DETERMINE THE EXACT EXTENT OF THIS WORK. HE SHALL EXTEND HIS SERVICES TO THE LOCATION DESIGNATED BY THEM AND FURNISH ALL MATERIAL AND PAY ALL COSTS NOT FURNISHED OR PAID BY THEM.
7. ANCHORAGE OF EQUIPMENT FOR WHICH SPECIFIC DETAILS ARE NOT SHOWN ON THESE PLANS MUST BE ADEQUATE TO RESIST THE FORCES BASED ON THE REQUIRED C_p FACTOR. ANCHORAGE MUST BE APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND THE O.S.A. FIELD ENGINEER.

GENERAL NOTES CONTINUED

8. ALL VALVES AND OTHER PIPING SYSTEM SPECIALTIES SHALL BE FULL LINE SIZE UNLESS OTHERWISE INDICATED.
9. ALL PIPING SHALL BE CONCEALED IN WALL CHASES, FURRED SPACES, FURRED CEILING, OR UNDER FLOOR UNLESS SPECIFICALLY SHOWN OTHERWISE. SEE ARCHITECTURAL & STRUCTURAL DRAWINGS FOR WALL CHASE DETAILS.
10. FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SEE ARCHITECTURAL DRAWINGS.
11. PROVIDE AND INSTALL A SHUT-OFF VALVE AND VACUUM BREAKER AT WATER CONNECTIONS TO ALL EQUIPMENT. VACUUM BREAKER SHALL BE INSTALLED 12" MIN. ABOVE EQUIPMENT CONNECTION.



FLOOR CLEANOUT DETAIL
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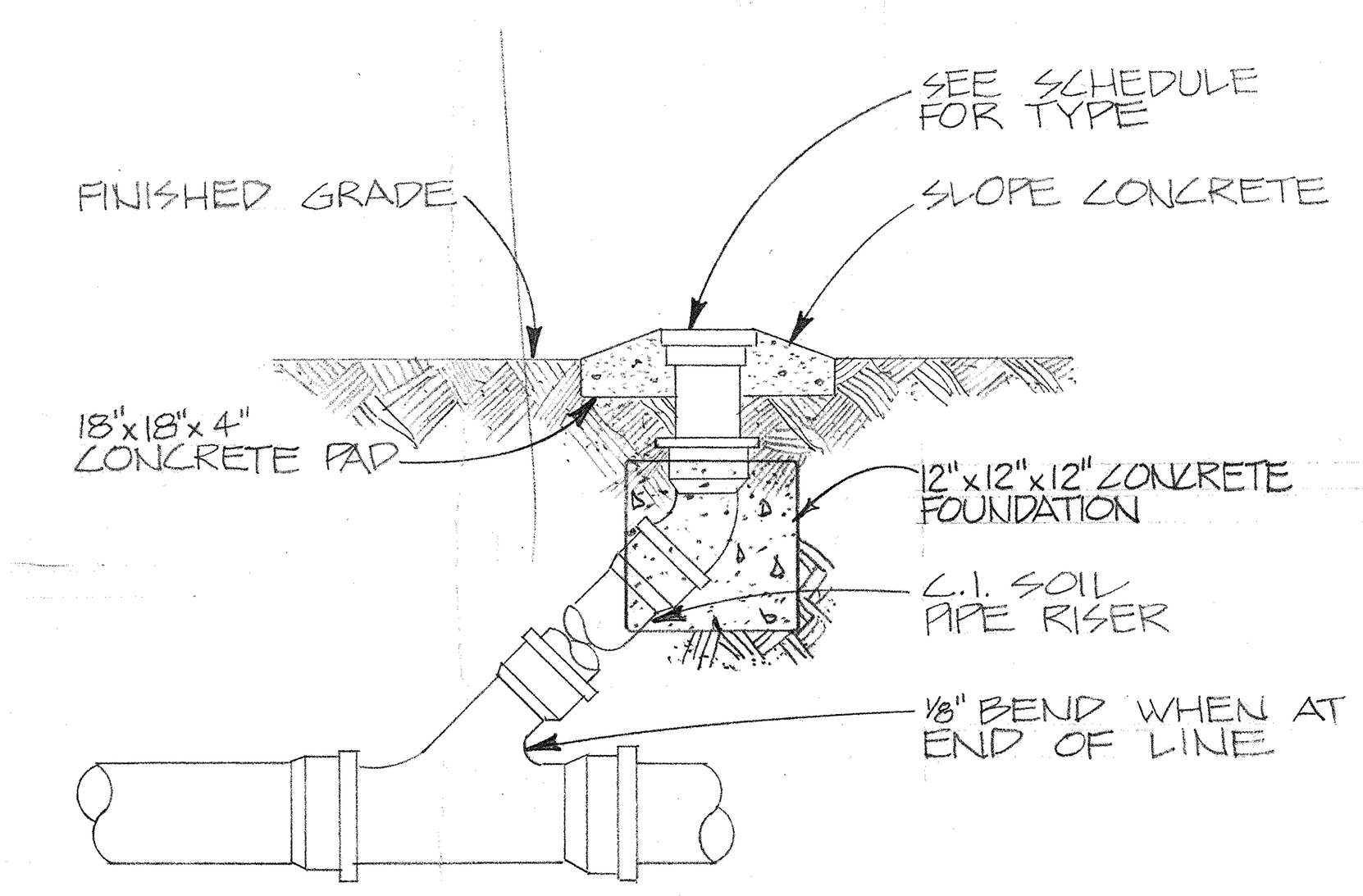

GRADE CLEANOUT DETAIL
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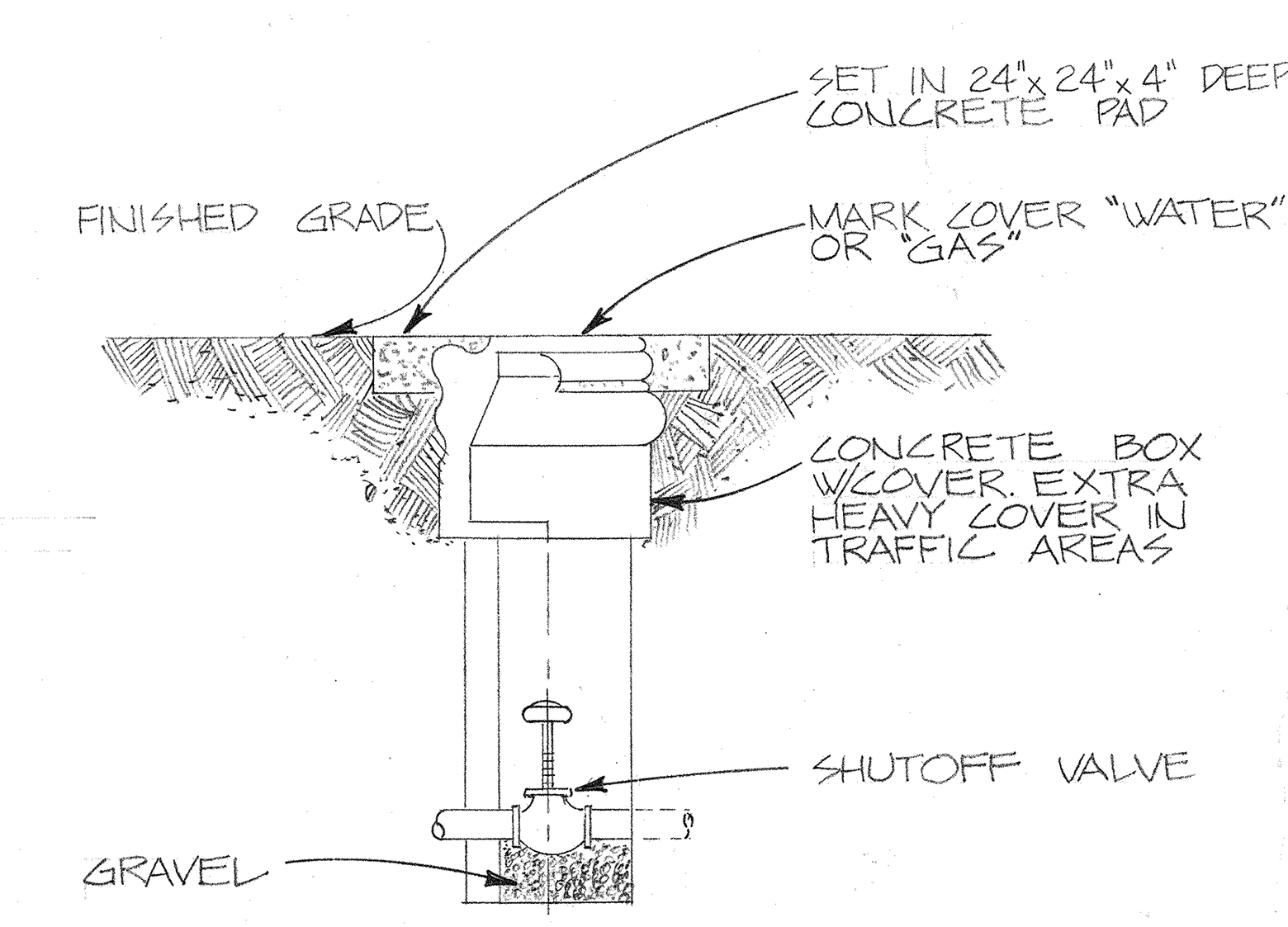
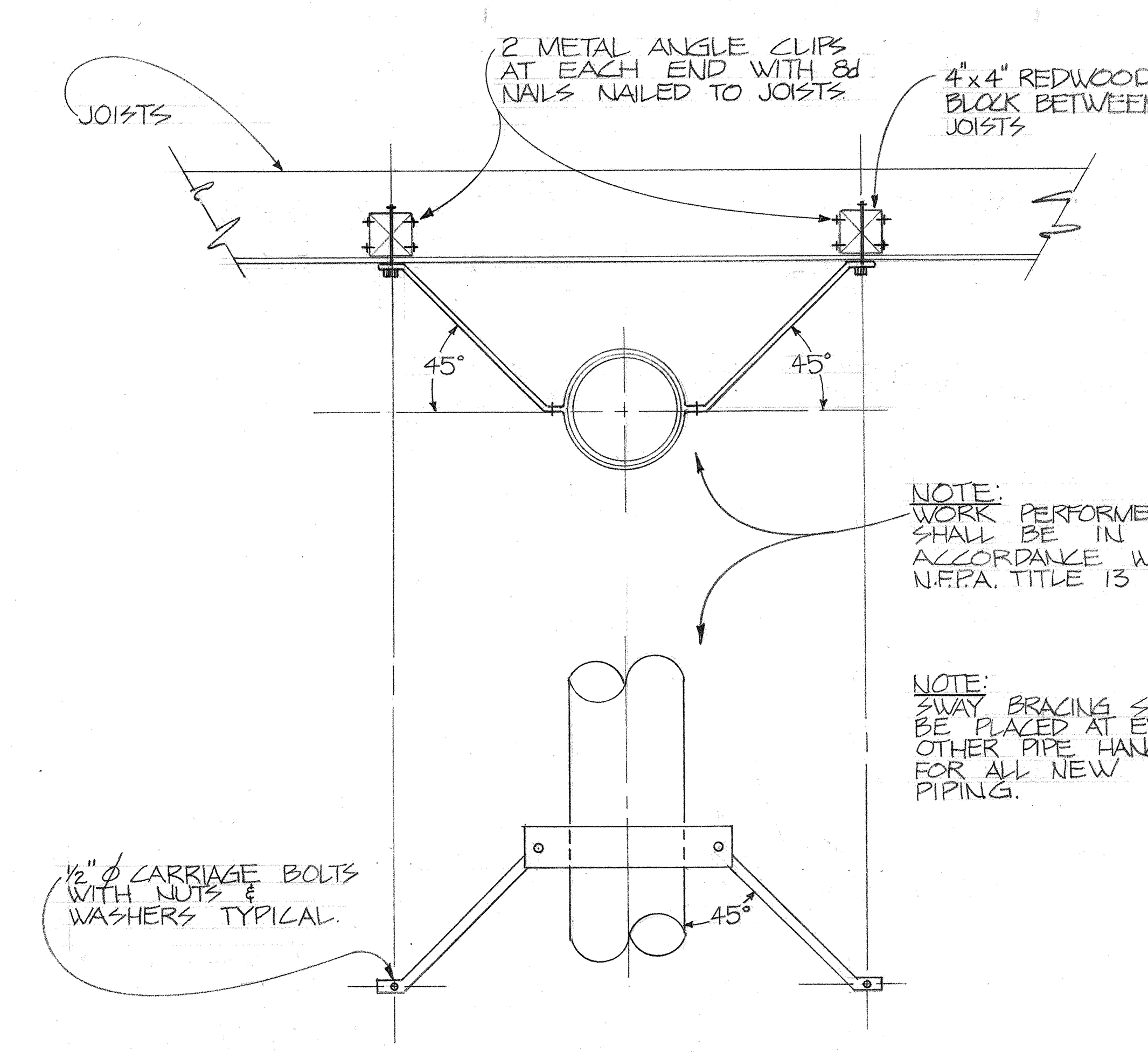


WATER SHUTOFF VALVE IN CONCRETE BOX
N.T.S.



SWAY BRACING DETAILS
N.T.S.

AS BUILT

⚠5 AS PER CHANGE ORDERS 3/29/85

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ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
AUG 27 '79
Per J.J. Meighan MAS
PRINCIPAL STRUCTURAL ENGINEER
APPLICATION NO. 42256

APPROVED FIRE AND PANIC ONLY
AUG 24 1979
RWC
STATE FIRE MARSHAL NORTHERN REGION

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
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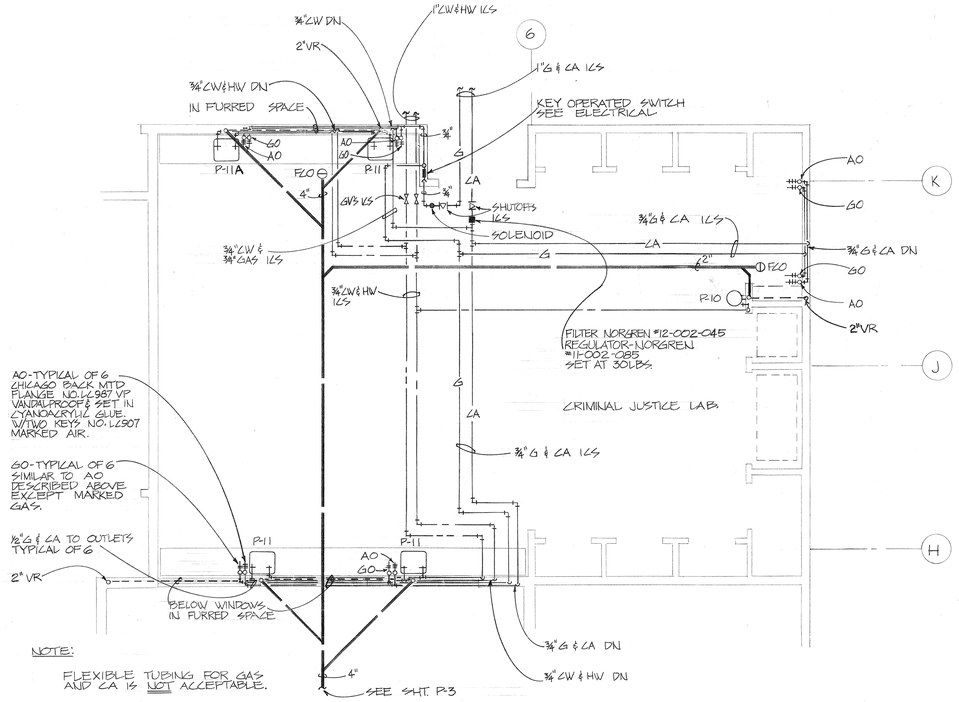
P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

PLUMBING-DETAILS, NOTES & SCHEDULE
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE CCCCD
SAN PABLO CALIFORNIA

SHEET P-6
OF
DATE 8-24-79
JOB No. 770-71A

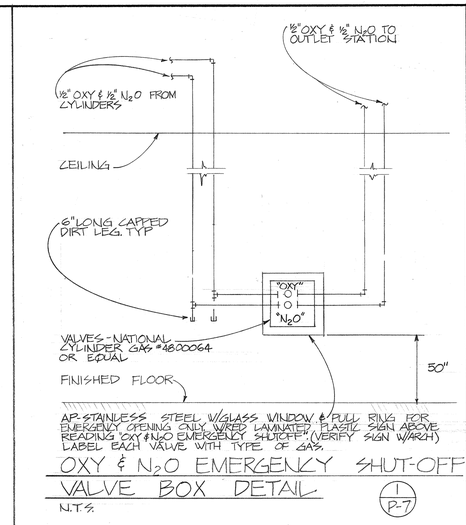


NOTE:

FLEXIBLE TUBING FOR GAS AND CA IS NOT ACCEPTABLE.

CRIMINAL JUSTICE LAB - PLUMBING PLAN

SCALE: ¼" = 1'-0"



OXY & N_2O EMERGENCY SHUT-OFF VALVE BOX DETAIL

N.T.S.

(1) P-7

NOTE: FURNISH AND INSTALL AN ANSUL FIRE EXTINGUISHING SYSTEM FOR COOKING HOOD. WORK SHALL CONFORM TO NFPA CODES, LOCAL CODES AND UNDERWRITER LABORATORIES EQUIPMENT SHOWN IN THIS DETAIL IS TO BE FURNISH AND INSTALLED BY THIS CONTRACTOR.

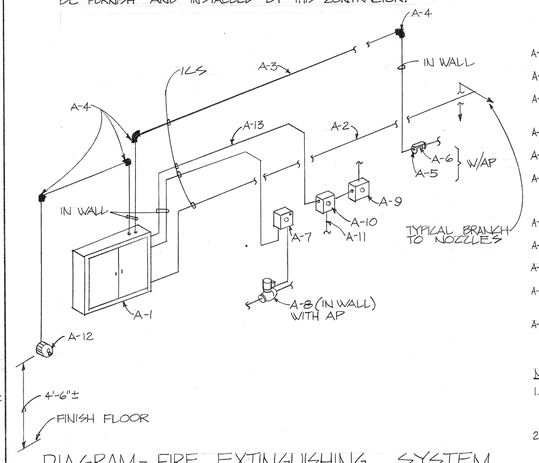


DIAGRAM - FIRE EXTINGUISHING SYSTEM DETAIL

N.T.S.

(2) P-7

A-1 R101 DRY CHEMICAL FIRE CONTROL SYSTEM UNIT WITH 16 GAGE STAINLESS STEEL CABINET SIZE: 42" WIDE x 30" HIGH x 10" DEEP WITH DOUBLE HINGED DOORS AND SPRING CATCH. INSTALL CABINET FULLY RECESSED IN WALL. SEE NOTE NO. 1. BELOW

A-2. SUPPLY PIPING.

A-3 DETECTION LINE.

A-6. TYPICAL PULLY ELBOW- INSTALL WALL OR CEILING ACCESS PANELS AS REQUIRED.

A-5. TYPICAL DETECTOR.

A-6. TYPICAL FUSIBLE LINK.

A-7. RESET RELAY- PROVIDE ELECTRIC SWITCH IN ANSUL SYSTEM FOR FIRE ALARM.

A-8. ELECTRICAL GAS VALVE.

A-9. POWER INPUT.

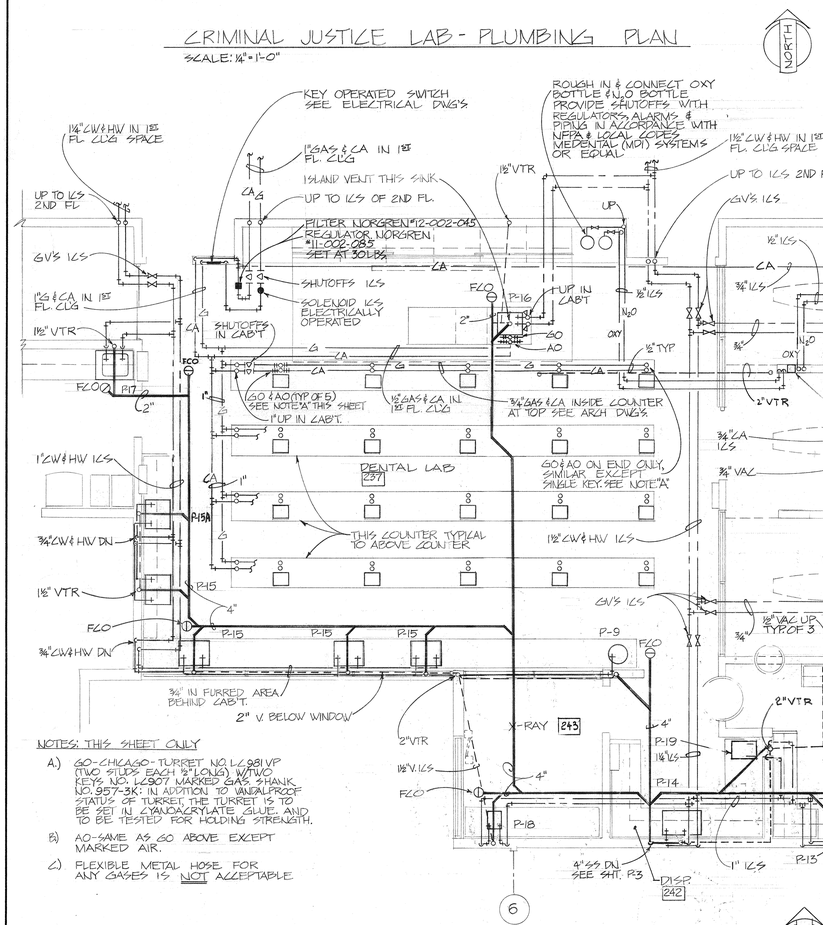
A-10. CONTACTOR FOR ELECTRICAL APPLIANCES.

A-11. POWER TO APPLIANCES.

A-12. REMOTE PULL STATION. INSTALL PULLEY RECESSED IN WALL.

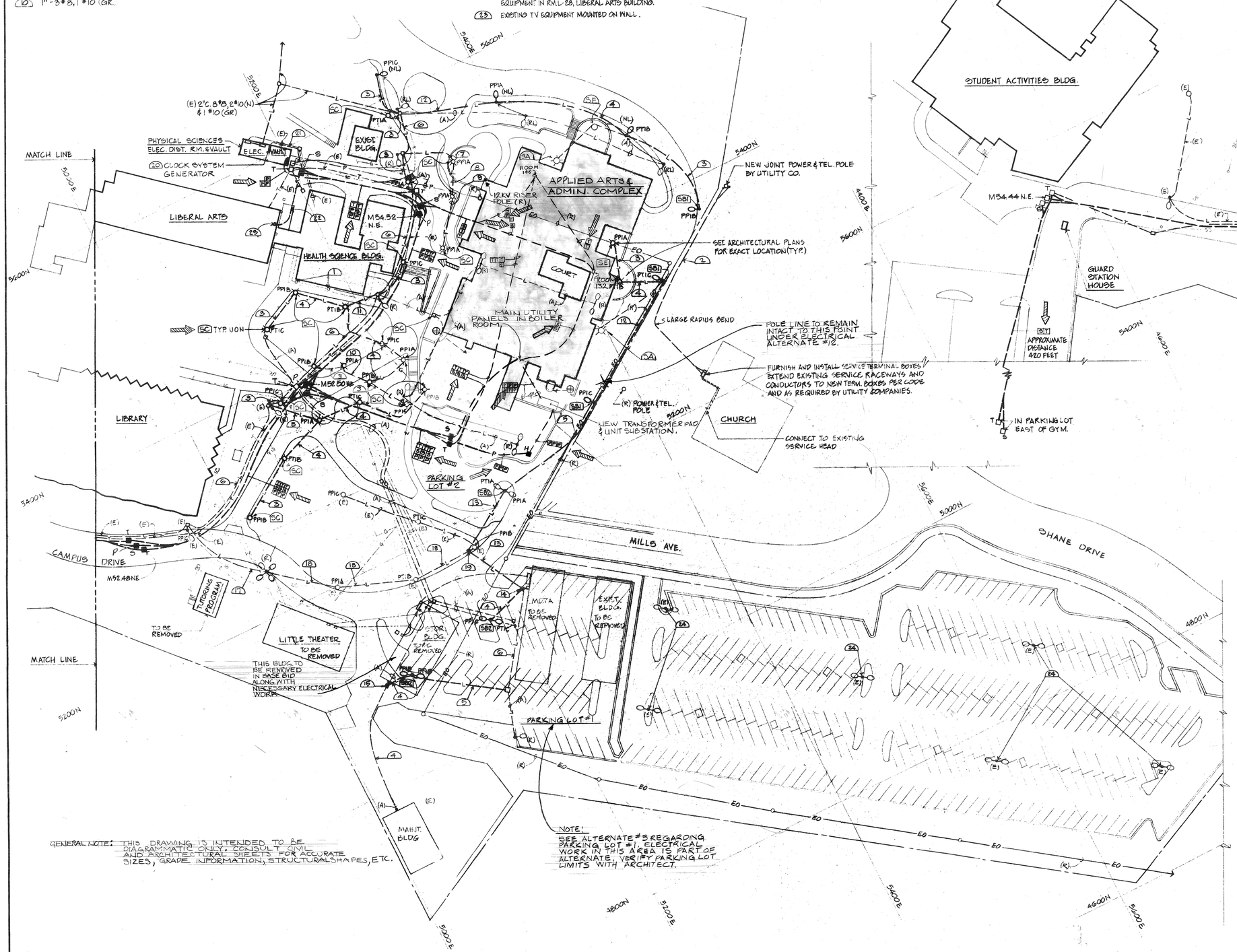
NOTES:

1. PRIOR TO INSTALLATION OF STAINLESS STEEL CABINET VERIFY EXACT LOCATION AND CLEARANCE WITH ARCHITECT.
2. PRIOR TO INSTALLATION OF FIRE EXTINGUISHING SYSTEM VERIFY EXACT LOCATION AND CLEARANCE OF KITCHEN EQUIPMENT ETC. WITH ARCHITECT.
3. ALL EXPOSED PIPING SHALL BE CHROME PLATED. ALL EXPOSED EQUIPMENT SHALL BE STAINLESS STEEL

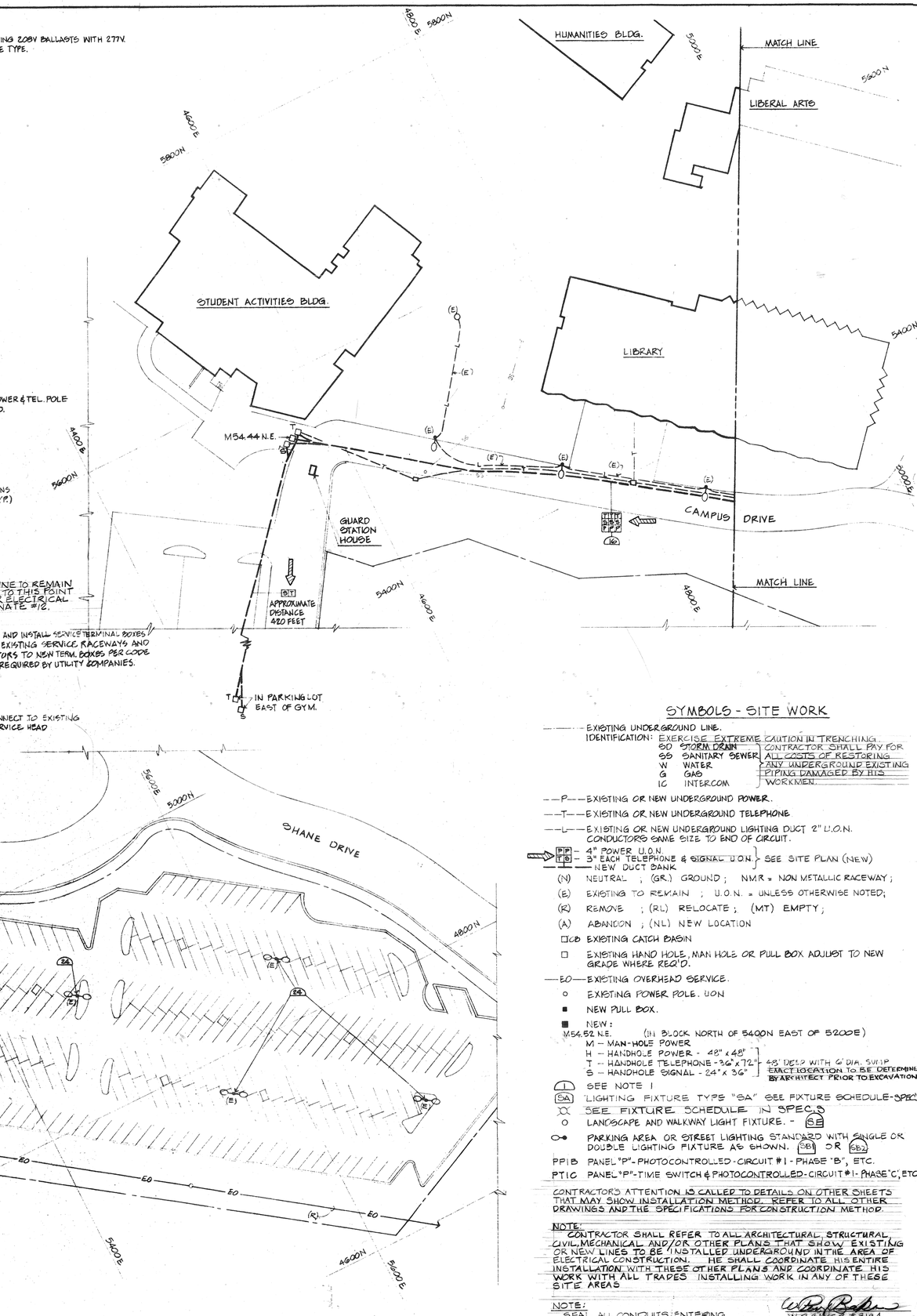

1¼" CW & HW IN 1ST FL. CLG SPACE
1" GAS & CA IN 1ST FL. CLG
ISLAND VENT IT THIS SINK
UP TO LCS 2ND FL
UP TO LCS OF 2ND FL.
FILTER NORGREN #12-002-045 REGULATOR NORGREN #11-002-085 SET AT 30 LBS
SHUTOFFS ICS
SOLENOID ICS ELECTRICALLY OPERATED
SHUTOFFS IN CABT.
1½" VTR
1½" G & CA IN 1ST FL. CLG
GV'S ICS
FCO
P-17
2"
1" UP IN CABT.
GO & AO (TYP OF 5) SEE NOTE "A" THIS SHEET
1½" GAS & CA IN 1ST FL. CLG
¾" GAS & CA INSIDE COUNTER AT TOP SEE ARCH DWGS
1" CW & HW ICS
¾" CW & HW DN
1½" VTR
DENTAL LAB 237
THIS COUNTER TYPICAL TO ABOVE COUNTER
P-15A
P-15
4"
FCO
¾" IN FURRED AREA BEHIND CABT.
2" V. BELOW WINDOW
ROUGH IN & CONNECT OXY BOTTLE & N2O BOTTLE PROVIDE SHUTOFFS WITH REGULATORS, ALARMS & PIPING IN ACCORDANCE WITH NFPA & LOCAL CODES MEDICAL (MGI) SYSTEMS OR EQUAL
1½" CW & HW IN 1ST FL. CLG SPACE
UP TO LCS 2ND FL.
GV'S ICS
1½" VTR
UP IN CABT
2"
GO
AO
OXY
N2O
½" TYP
2" VTR
GO AO ON END ONLY, SIMILAR EXCEPT SINGLE KEY. SEE NOTE "A"
1½" CW & HW ICS
P-9
FCO
X-RAY 243
2" VTR
1½" V. ICS
4"
P-18
P-19
1½" ICS
P-14
4" SS DN SEE SHT. P3
DISP. 242
1" ICS
P-13
P-20
1" VAC IN 1ST FL. CLG SPACE
1½" VTR
FCO
P-16
P-18
OPERATORY 238
¾" CW & HW DN
¾"
OUTLET STATION - TYPICAL OF 3: ½" CA, ¾" VAC & ½" CW, STAINLESS STEEL QUICK COUPLING. FURNISH & INSTALL & CONNECT IN ACCORDANCE WITH ARCHITECT'S DIRECTION.
1½" VTR
SEE DETAIL 1 THIS SHEET (7)
¾" VAC
OPERATORY 239
1½" VTR
¾" VAC
OPERATORY 240
¾" CW & HW DN.
1½" VAC UP TYP OF 3
2" VTR
½" CA DN TYP OF 3.
DARK RM. 241
FD-1
FCO
¾"
P-18
P-15
P-9
GV'S ICS
P-13
P-18
P-18
P-18

NOTES:

1. REMOVE (E) SURFACE MOUNTED SOFFIT LIGHTS AND RELATED SURFACE RACEWAYS. PATCH AND REFINISH AFFECTED SURFACES TO MATCH ADJACENT.
2. 1-3" NMR (VT) FOR POWER AND 1-1½" NMR (VT) FOR TELE-PHONE, DEPTH OF RACEWAYS AND LOCATION OF RISERS AT POLE AS DIRECTED BY UTILITY COMPANIES.
3. 1¼"-2 #8, 1 #10 (GR.)
4. 1¼"-4 #8, 1 #10 (GR.)
5. 2"-6 #8, 1 #10 (GR.)
6. (E) 2"-6 #8, 2 #10 (N), 1 #10 (GR.) CIRCUIT P1, PHASES A, B, C AND T1 PHASES A, B, C.
7. ¾"-3 #8, 1 #10 (N), 1 #10 (GR.) CIRCUIT P1 PHASES A, B AND C.
8. ¾"-2 #8, 1 #10 (N.), 1 #10 (GR.)
9. ¾"-1 #8, 1 #10 (N), 1 #10 (GR.)
10. 1"-3 #8, 1 #10 (GR.)
11. 2"-7 #8, 1 #10 (GR.)
12. 2"-5 #8, 1 #10 (GR.)
13. 2"-6 #8, 2 #10 (N.), 1 #10 (GR.)
14. INTERCEPT EXISTING PARKING LOT LIGHTING RACEWAYS WITH NEW CONCRETE PULL BOX. DISCONNECT PARKING LOT LIGHTING CIRCUITS FROM MDTA BUILDING SYSTEM AND RECONNECT TO CIRCUITS PP1A, B, C AND PT1A, B, C.
15. AFTER EXISTING BUILDINGS HAVE BEEN REMOVED INTERCEPT EXISTING SERVICE RACEWAY WITH NEW CONCRETE PULL BOX, PULL OUT EXISTING SERVICE CONDUCTORS AND INSTALL NEW LIGHING CONDUCTORS AS INDICATED.
16. INSTALL PLASTIC JACKETED RIGID STEEL CONDUITS (P S & T RACEWAYS) FROM M54.44 N.E. TO M52.48 N.E.
17. (E) 2" PULL OUT EXISTING CONDUCTORS AND INSTALL 6 #8, 2 #10 (N), 1 #10 (GR.) RECONNECT LUMINAIRES TO CIRCUITS INDICATED.
18. SAME AS (17) EXCEPT 1¼"
19. INTERCEPT (E) RACEWAYS WITH NEW CONCRETE PULL BOX, RECONNECT EXISTING LUMINAIRES TO CIRCUITS INDICATED AND EXTEND CONDUCTORS AND RACEWAYS AS INDICATED.
20. REPLACE EXISTING CLOCK SYSTEM GENERATOR AND FURNISH AND INSTALL DISCONNECT SWITCH FOR 5 #6 TO GT-5R REMOTE COUPLER UNITS PER DETAILS.
21. REMOVE CONDUCTORS FROM EXISTING 1" RACEWAY AND INSTALL 3 #6 AND 4 #14 IN EXISTING AND NEW RACEWAYS PER DETAIL
22. 2" MTG SIGNAL DUCT TERMINATE BELOW EXISTING TV EQUIPMENT IN RM. L-28, LIBERAL ARTS BUILDING.
23. EXISTING TV EQUIPMENT MOUNTED ON WALL.
24. REPLACE ALL EXISTING 208V BALLASTS WITH 277V. BALLASTS OF SAME TYPE.



SITE PLAN
SCALE: 1" = 40'-0"



GENERAL NOTE: THIS DRAWING IS INTENDED TO BE DIAGRAMMATIC ONLY. CONSULT CIVIL AND ARCHITECTURAL SHEETS FOR ACCURATE SIZES, GRADE INFORMATION, STRUCTURAL SHAPES, ETC.

NOTE: SEE ALTERNATE #5 REGARDING PARKING LOT #1. ELECTRICAL WORK IN THIS AREA IS PART OF ALTERNATE. VERIFY PARKING LOT LIMITS WITH ARCHITECT.

SYMBOLS - SITE WORK

- EXISTING UNDERGROUND LINE.
- IDENTIFICATION: EXERCISE EXTREME CAUTION IN TRENCHING. CONTRACTOR SHALL PAY FOR ALL COSTS OF RESTORING ANY UNDERGROUND EXISTING PIPING DAMAGED BY HIS WORKMEN.
  - SD STORM DRAIN
  - SS SANITARY SEWER
  - W WATER
  - G GAS
  - IC INTERCOM
- —P— EXISTING OR NEW UNDERGROUND POWER.
- —T— EXISTING OR NEW UNDERGROUND TELEPHONE
- —L— EXISTING OR NEW UNDERGROUND LIGHTING DUCT 2" U.O.N. CONDUCTORS SAME SIZE TO END OF CIRCUIT.
- PP — 4" POWER U.O.N.
- TS — 3" EACH TELEPHONE & SIGNAL U.O.N. } SEE SITE PLAN (NEW)
- —P— —T— NEW DUCT BANK
- (N) NEUTRAL ; (GR.) GROUND ; NMR = NON METALLIC RACEWAY ;
- (E) EXISTING TO REMAIN ; U.O.N. = UNLESS OTHERWISE NOTED;
- (R) REMOVE ; (RL) RELOCATE ; (MT) EMPTY ;
- (A) ABANDON ; (NL) NEW LOCATION
- CB EXISTING CATCH BASIN
- EXISTING HAND HOLE, MAN HOLE OR PULL BOX ADJUST TO NEW GRADE WHERE REQ'D.
- —EO— EXISTING OVERHEAD SERVICE.
- EXISTING POWER POLE. U.O.N
- NEW PULL BOX.
- NEW:
  - M54.52 N.E. (1) BLOCK NORTH OF 5400N EAST OF 5200E
  - M — MAN-HOLE POWER
  - H — HANDHOLE POWER - 48" x 48"
  - T — HANDHOLE TELEPHONE - 36" x 72" } 48' DEEP WITH 6' DIA. SUMP
  - S — HANDHOLE SIGNAL - 24" x 36" } EXACT LOCATION TO BE DETERMINED BY ARCHITECT PRIOR TO EXCAVATION
- (1) SEE NOTE 1
- (5A) LIGHTING FIXTURE TYPE "5A" SEE FIXTURE SCHEDULE-SPEC'S
- SEE FIXTURE SCHEDULE IN SPEC'S
- LANDSCAPE AND WALKWAY LIGHT FIXTURE. - (SB)
- PARKING AREA OR STREET LIGHTING STANDARD WITH SINGLE OR DOUBLE LIGHTING FIXTURE AS SHOWN. (SB1) OR (SB2)
- PP1B PANEL "P" - PHOTOCONTROLLED - CIRCUIT #1 - PHASE "B", ETC.
- PT1C PANEL "P" - TIME SWITCH & PHOTOCONTROLLED - CIRCUIT #1 - PHASE "C", ETC.

CONTRACTOR'S ATTENTION IS CALLED TO DETAILS ON OTHER SHEETS THAT MAY SHOW INSTALLATION METHOD. REFER TO ALL OTHER DRAWINGS AND THE SPECIFICATIONS FOR CONSTRUCTION METHOD.

NOTE: CONTRACTOR SHALL REFER TO ALL ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL AND/OR OTHER PLANS THAT SHOW EXISTING OR NEW LINES TO BE INSTALLED UNDERGROUND IN THE AREA OF ELECTRICAL CONSTRUCTION. HE SHALL COORDINATE HIS ENTIRE INSTALLATION WITH THESE OTHER PLANS AND COORDINATE HIS WORK WITH ALL TRADES INSTALLING WORK IN ANY OF THESE SITE AREAS

NOTE: SEAL ALL CONDUITS ENTERING MANHOLES & BUILDINGS TO PREVENT WATER ENTRY INTO BUILDING ETC., SEE SPECIFICATION.

(IA) (I) INSTRUCTIONAL EQUIPMENT SCHEDULE - SEE SPEC'S

OUTLET FOR IRRIGATION CONTROLLERS 120V - 2#10 - 3/4"C TO PANEL IN BOILER RM. SEE DWG A8.3 FOR EXACT LOCATION.

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AS BUILT

ARCHITECT: COMETTA AND CIANFICHI, 3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
STRUCT. ENGINEER: CONFER, CROSSEN & NANCE, 1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
CONSULT. ENGINEER: J. S. NANCE, ARCHITECT
E. A. COMETTA, P. D. CIANFICHI, ARCHITECT — ASSOCIATED ARCHITECTURAL FIRMS — P. W. CONFER

SITE LAYOUT, ELECTRICAL

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE — CCCCD
SAN PABLO — CALIFORNIA

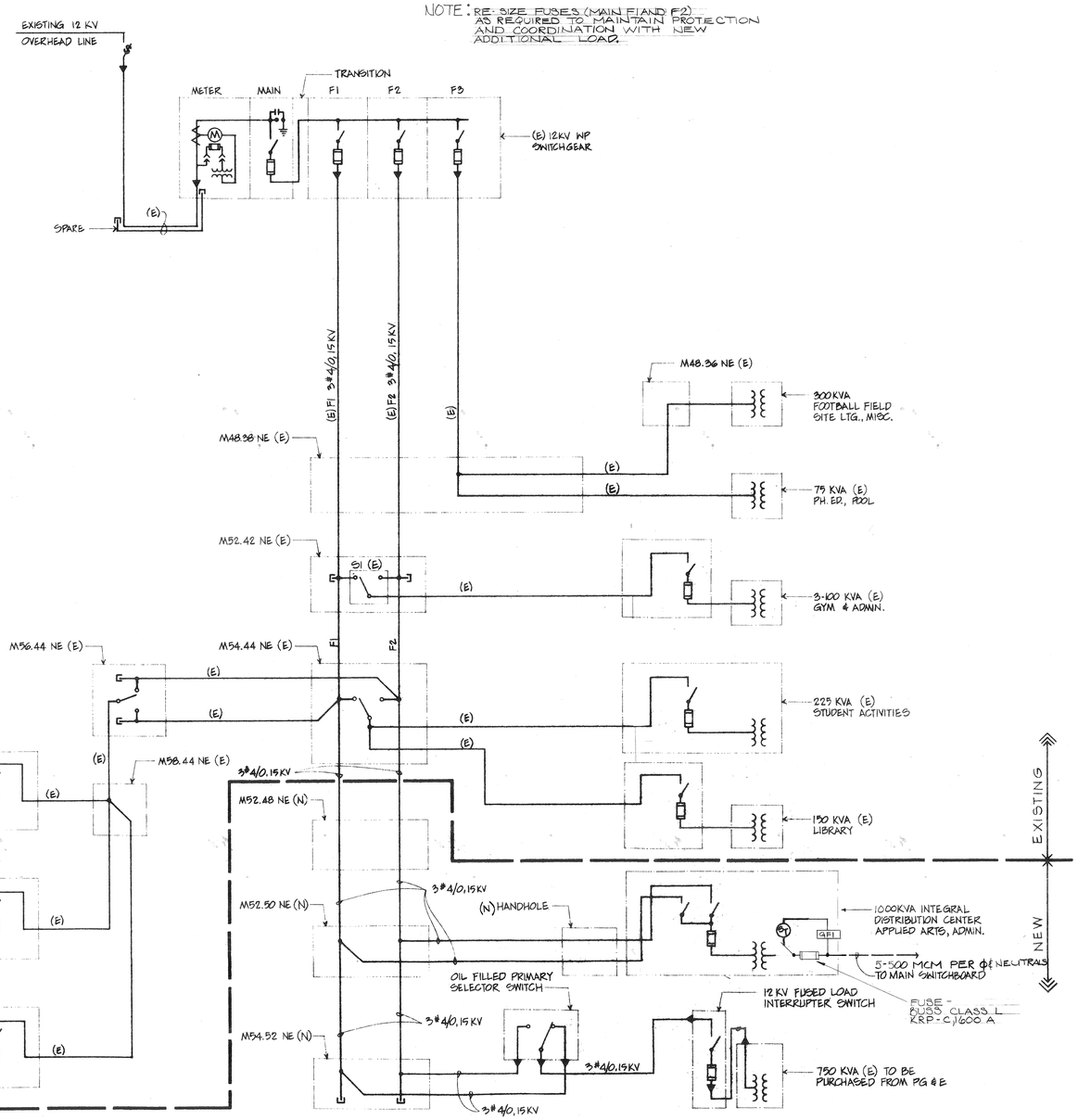
SHEET E-1
OF
DATE
JOB No. 770-71A

31-3

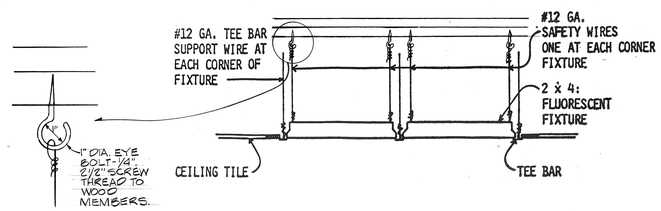
SYMBOLS

- FUSED AIR SWITCH (CURRENT LIMITING FUSE, AS REQ'D.)
- OIL SELECTOR SWITCH
- CIRCUIT BREAKER. TRIP NOTED. 3P OR NOTED
- STRESS RELIEF CONES IN POTHEADS
- TRANSFORMER
- (M) METER, UTILITY CO.

NOTE: RE-SIZE FUSES (MAIN F1 AND F2) AS REQUIRED TO MAINTAIN PROTECTION AND COORDINATION WITH NEW ADDITIONAL LOAD.

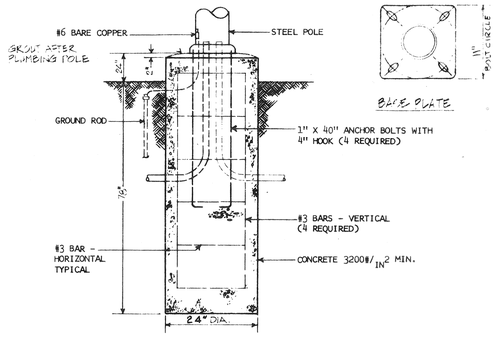


ONE LINE DIAGRAM
NO SCALE



RECESSED FIXTURE IN SUSPENDED T-BAR CEILING

NO. SCALE



CONCRETE BASE FOR STEEL POLE
SCALE: 3/4" = 1' - 0"

DETAIL SHOWN FOR RELOCATED & NEW STREET LIGHT POLES AND ALL POLES IN EXCESS OF 10'-0" HEIGHT.

AS BUILT

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12 KV SINGLE LINE & DETAILS

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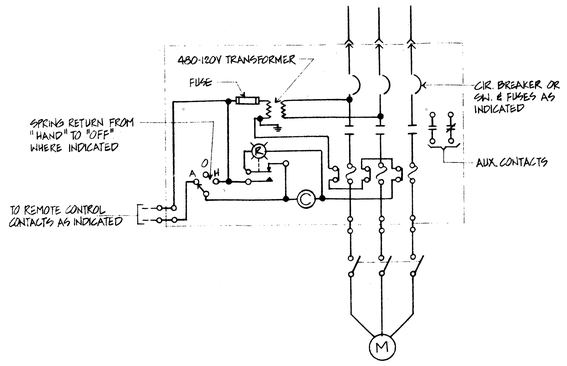
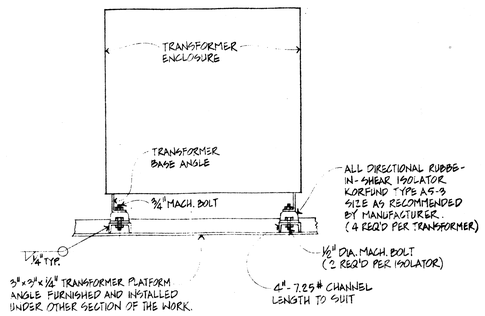
CONTRA COSTA COLLEGE
SAN PABLO
CALIFORNIA

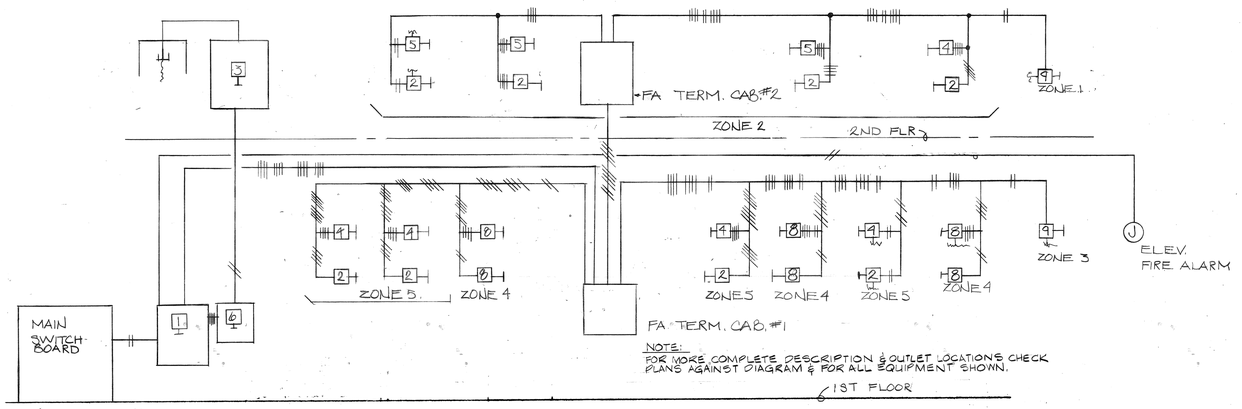
SHEET E-2
OF
DATE 8-24-79
JOB No. 770-7/4



TYPICAL MOTOR STARTER WIRING
NO SCALE

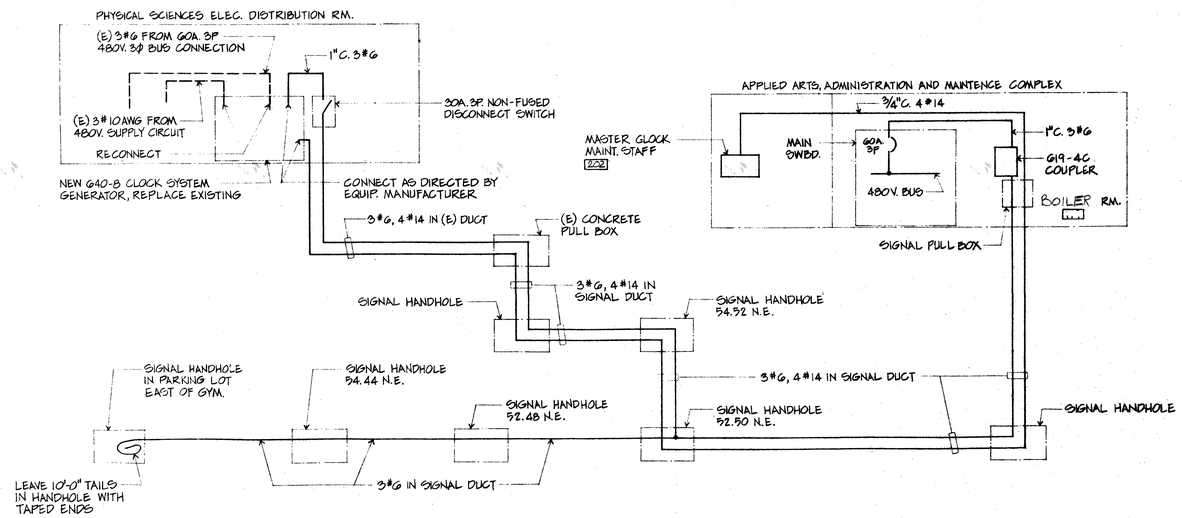


PLATFORM MOUNTED TRANSFORMERS SUPPORT DETAIL
NO SCALE

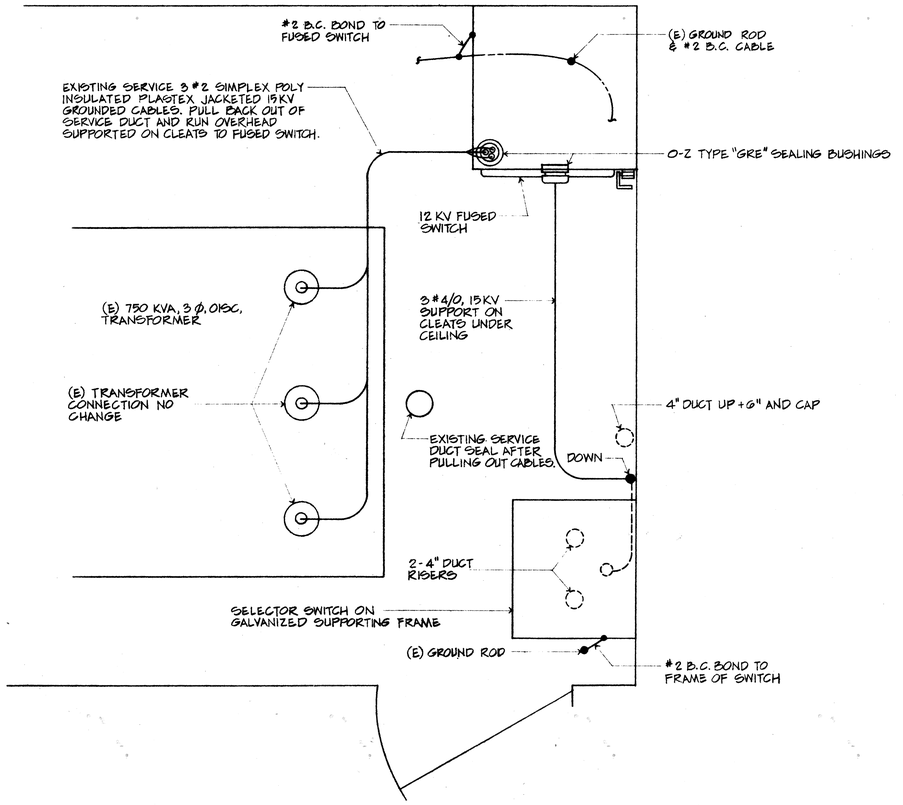


FIRE ALARM SYSTEM WIRING DIAGRAM
NO SCALE

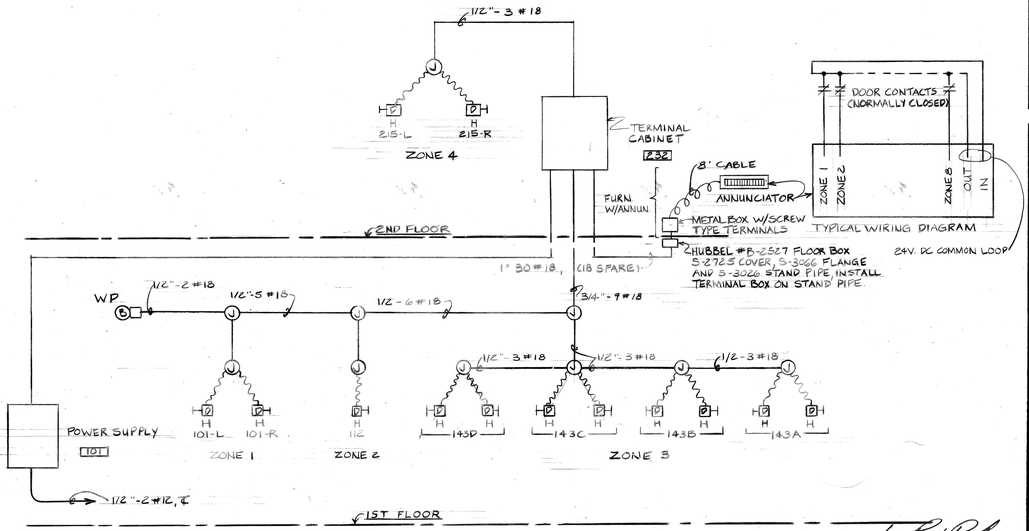
1. ALL WIRING IN ACCORDANCE WITH MANUFACTURES INSTRUCTIONS. NEW CONDUIT 1/2" MIN. TO ALL APPLICATIONS. VERIFY WITH ARCHITECT PRIOR TO INSTALLATION.
2. EXACT LOCATION, HEIGHT ETC. OF ALL EQUIPMENT TO BE DETERMINED BY THE ARCH. PRIOR TO PLACEMENT.



CLOCK SYSTEM WIRING DIAGRAM
NO SCALE



PART PLAN - PHYSICAL SCIENCES TRANSFORMER VAULT
SCALE: 3/4" = 1'-0"



DOOR MONITOR SYSTEM WIRING DIAGRAM
N.T.S

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ARCHITECT | STRUCT. ENGINEER | CONSULT. ENGINEER

DETAILS

APPLIED ARTS & ADMINISTRATION COMPLEX
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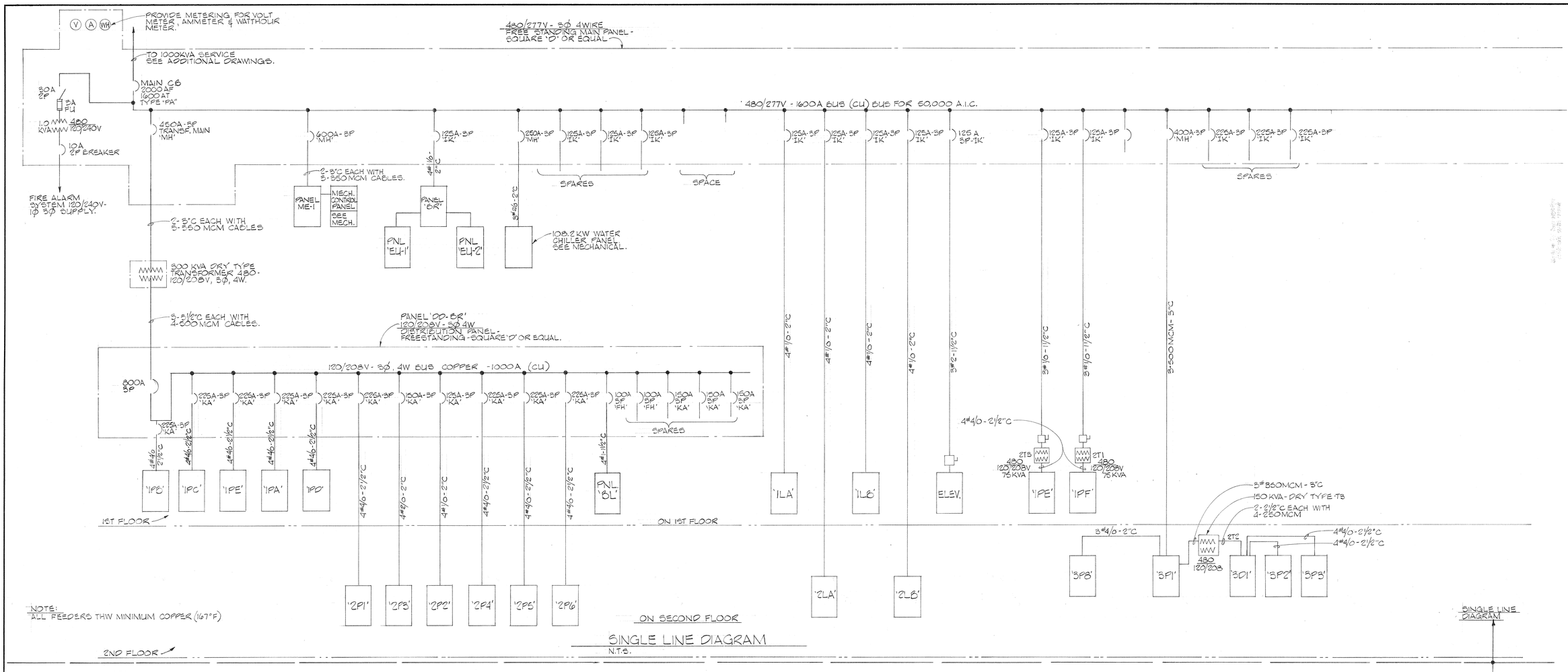
CALIFORNIA

SHEET E-3
OF
DATE 8-24-79
JOB No. 770-71A



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ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY REVIEWED
DATE 27 79
42256
APPROVED
DATE 8/24/79
DSA
STRUCTURAL SAFETY REVIEW

SINGLE LINE & BLOCK DIAGRAMS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE CCCCD
SAN PABLO CALIFORNIA

SHEET E-4
OF
DATE 8-24-79
JOB No. 770-71A

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FIRST FLOOR PLAN - POWER AND SIGNAL NOTES

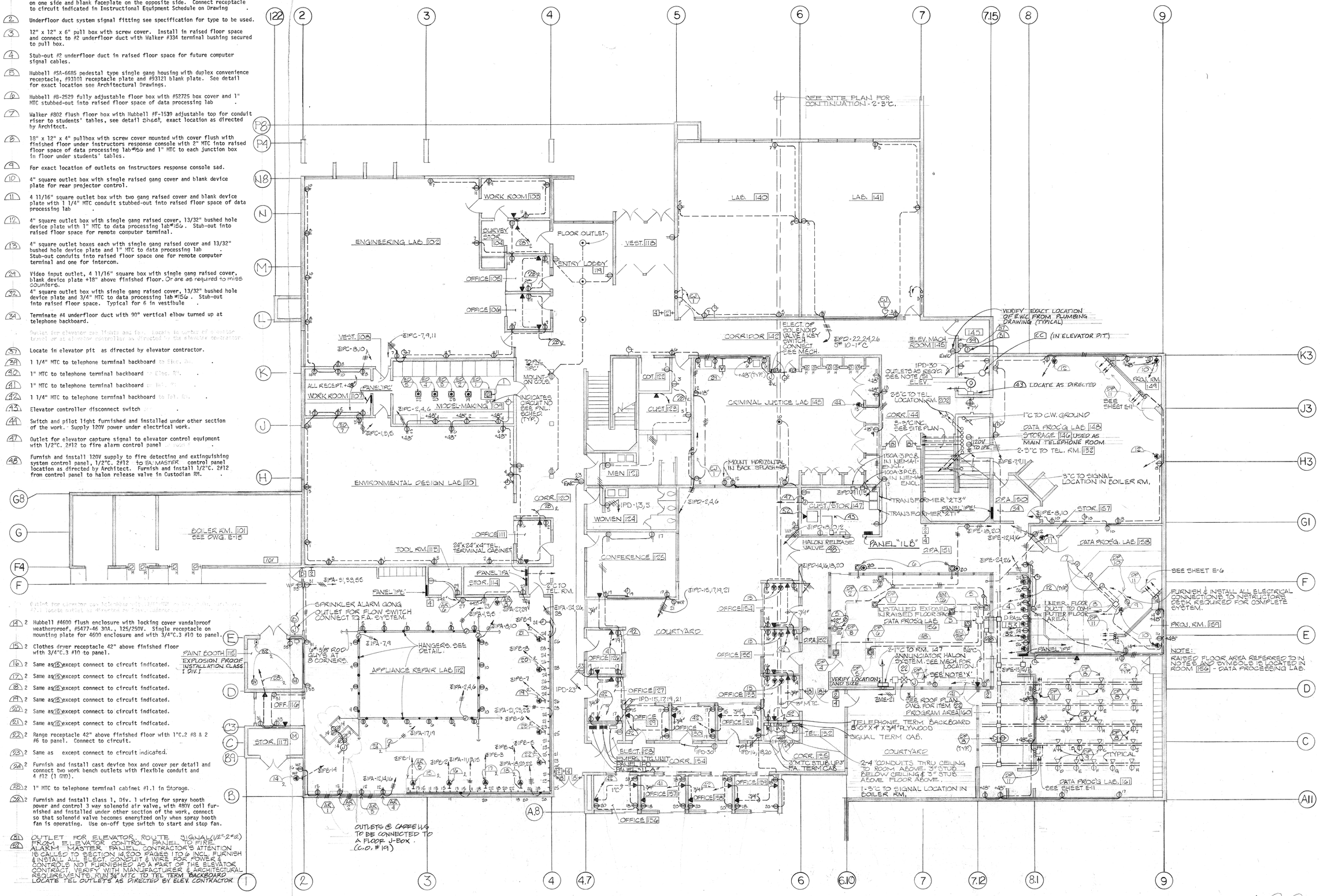
1. Walker 500AL series underfloor duct service fitting with Hubbell #5261, 15A., 125V., 3 wire grounding, single receptacle and single receptacle faceplate on one side and blank faceplate on the opposite side. Connect receptacle to circuit indicated in Instructional Equipment Schedule on Drawing .
2. Underfloor duct system signal fitting see specification for type to be used.
3. 12" x 12" x 6" pull box with screw cover. Install in raised floor space and connect to #2 underfloor duct with Walker #334 terminal bushing secured to pull box.
4. Stub-out #2 underfloor duct in raised floor space for future computer signal cables.
5. Hubbell #SA-6685 pedestal type single gang housing with duplex convenience receptacle, #93101 receptacle plate and #93121 blank plate. See detail for exact location see Architectural Drawings.
6. Hubbell #B-2529 fully adjustable floor box with #52725 box cover and 1" MTC stubbed-out into raised floor space of data processing lab .
7. Walker #802 flush floor box with Hubbell #F-1539 adjustable top for conduit riser to students' tables, see detail sheet, exact location as directed by Architect.
8. 18" x 12" x 4" pullbox with screw cover mounted with cover flush with finished floor under instructors response console with 2" MTC into raised floor space of data processing lab #156 and 1" MTC to each junction box in floor under students' tables.
9. For exact location of outlets on instructors response console sad.
10. 4" square outlet box with single raised gang cover and blank device plate for rear projector control.
11. 4 11/16" square outlet box with two gang raised cover and blank device plate with 1 1/4" MTC conduit stubbed-out into raised floor space of data processing lab .
12. 4" square outlet box with single gang raised cover, 13/32" bushed hole device plate with 1" MTC to data processing lab #156. Stub-out into raised floor space for remote computer terminal.
13. 4" square outlet boxes each with single gang raised cover and 13/32" bushed hole device plate and 1" MTC to data processing lab . Stub-out conduits into raised floor space one for remote computer terminal and one for intercom.
24. Video input outlet, 4 11/16" square box with single gang raised cover, blank device plate +18" above finished floor. Or are as required to miss counters.
32. 4" square outlet box with single gang raised cover, 13/32" bushed hole device plate and 3/4" MTC to data processing lab #156. Stub-out into raised floor space. Typical for 6 in vestibule .
34. Terminate #4 underfloor duct with 90° vertical elbow turned up at telephone backboard.

~~Outlet for elevator car lights and fan. Locate in number of elevator travel or at elevator controller as directed by the elevator contractor.~~

57. Locate in elevator pit as directed by elevator contractor.
39. 1 1/4" MTC to telephone terminal backboard in Elec. Rm. .
40. 1" MTC to telephone terminal backboard in Elec. Rm. .
41. 1" MTC to telephone terminal backboard in Tel. Rm. .
42. 1 1/4" MTC to telephone terminal backboard in Tel. Rm. .
43. Elevator controller disconnect switch .
44. Switch and pilot light furnished and installed under other section of the work. Supply 120V power under electrical work.
47. Outlet for elevator capture signal to elevator control equipment with 1/2"C. 2#12 to fire alarm control panel .
48. Furnish and install 120V supply to fire detecting and extinguishing system control panel, 1/2"C. 2#12 to FA MASTER control panel location as directed by Architect. Furnish and install 1/2"C. 2#12 from control panel to halon release valve in Custodian RM. .

~~Outlet for elevator car lights and fan. Locate in number of elevator travel or at elevator controller as directed by the elevator contractor.~~

14. 2 Hubbell #4600 flush enclosure with locking cover vandalproof weatherproof, #5477-46 30A., 125/250V. Single receptacle on mounting plate for 4600 enclosure and with 3/4"C.3 #10 to panel.
15. 2 Clothes dryer receptacle 42" above finished floor with 3/4"C.3 #10 to panel.
16. 2 Same as (15) except connect to circuit indicated.
17. 2 Same as (15) except connect to circuit indicated.
18. 2 Same as (15) except connect to circuit indicated.
19. 2 Same as (15) except connect to circuit indicated.
20. 2 Same as (15) except connect to circuit indicated.
21. 2 Same as (15) except connect to circuit indicated.
22. 2 Range receptacle 42" above finished floor with 1"C.2 #8 & 2 #6 to panel. Connect to circuit.
23. 2 Same as except connect to circuit indicated.
24. 2 Furnish and install cast device box and cover per detail and connect two work bench outlets with flexible conduit and 4 #12 (1 GND).
28. 2 1" MTC to telephone terminal cabinet #1.1 in Storage.
52. 2 Furnish and install class 1, Div. 1 wiring for spray booth power and control 3 way solenoid air valve, with 480V coil furnished and installed under other section of the work, connect so that solenoid valve becomes energized only when spray booth fan is operating. Use on-off type switch to start and stop fan.
61. OUTLET FOR ELEVATOR. ROUTE SIGNAL(1/2"-2#12) FROM ELEVATOR CONTROL PANEL TO FIRE ALARM MASTER PANEL. CONTRACTOR'S ATTENTION IS CALLED TO SECTION 14,200 PAGES 1 TO 6 INCL. FURNISH & INSTALL ALL ELECT. CONDUIT & WIRE FOR POWER & CONTROLS NOT FURNISHED AS A PART OF THE ELEVATOR CONTRACT. VERIFY WITH MANUFACTURER & ARCHITECTURAL REQUIREMENTS. RUN 3/4" MTC TO TEL TERM. BACKBOARD LOCATE TEL OUTLETS AS DIRECTED BY ELEV. CONTRACTOR
62. 2


SEE SITE PLAN FOR CONTINUATION - 2-3"C.
ENGINEERING LAB 102
WORK ROOM 108
SURVEY STOR. 104
FLOOR OUTLET
VEST. 118
ENTRY LOBBY 119
OFFICE 108
OFFICE 106
LAB. 140
LAB. 141
VEST. 108
ELECT. OF SOLENOID VALVE KEY SWITCH CONNECT SEE MECH.
CORRIDOR 142
ELEV. MACH. ROOM 145
VERIFY EXACT LOCATION OF E.W.C. FROM PLUMBING DRAWING (TYPICAL)
(CC) (IN ELEVATOR PIT.)
WORK ROOM 107
MODEL-MAKING 134
ALL RECEPT. +48"
PANEL "IPC"
MOUNT ON POST.
INDICATES CIRCUIT NO. SEE ENGL. SCHED. (TYP.)
CRIMINAL JUSTICE LAB 148
OUTLETS AS KEYED SEE NOTE (61) ELEV.
CORR. 144
2-3"C TO TEL. LOCATION RM. 202
(43) LOCATE AS DIRECTED
FROJ. RM. 149
SEE SHEET E-11
1"C TO C.W. GROUND
DATA PROC'G LAB. 148
STORAGE 146 USED AS MAIN TELEPHONE ROOM.
2-3"C TO TEL. RM. 132
2-3"C INC. SEE SITE PLAN
120V TO IPE
150A-3PC&B IN NEMA-1 ENCL.
100A-3PC&B IN NEMA-1 ENCL.
TRANSFORMER "2T3"
TRANSFORMER "2T1"
PANEL "IPE"
CUST./STOR. 147
22A. 150
STOR. 157
3"C TO SIGNAL LOCATION IN BOILER RM.
DATA PROC'G LAB. 138
PANEL "IL8"
22A. 151
HALON RELEASE VALVE (48)
UNDER FLOOR DUCT TO COMP. OUTER FLOOR AREA
SEE SHEET E-6
FURNISH & INSTALL ALL ELECTRICAL CONNECTIONS TO INSTRUCTORS DESK REQUIRED FOR COMPLETE SYSTEM.
PROJ. RM. 139
NOTE: RAISED FLOOR AREA REFERRED TO IN NOTES AND SYMBOLS IS LOCATED IN ROOM 156 - DATA PROCESSING LAB.
UNINSTALLED EXPOSED IN RAISED FLOOR SPACE
DATA PROC'G LAB. 156
2-1"C TO RM. 147 ANNUNCIATOR HALON SYSTEM. SEE MECH. FOR LOCATION. SEE NOTE 'X'
VERIFY LOCATION AND SIZE
SEE ROOF PLAN DWG. FOR ITEM (22)
PROGRAM AREA 160
TELEPHONE TERM. BACKBOARD 8'-0"X 4'X 3/4" PLYWOOD
SIGNAL TERM CAB.
COURTYARD
2-4" CONDUITS THRU CEILING TO ROOM ABOVE 3" STUB BELOW CEILING & 3" STUB ABOVE FLOOR ABOVE.
1-3"C TO SIGNAL LOCATION IN BOILER RM.
DATA PROC'G LAB. 161
SEE SHEET E-11
TYPICAL
BOILER RM. 101 SEE DWG. E-15
TOOL RM. 113
24"X24"X4" TEL. TERMINAL CABINET
OFFICE 111
PANEL "IPA" STOR. 114
2"C TO TEL. RM.
SPRINKLER ALARM GONG OUTLET FOR FLOW SWITCH CONNECT TO F.A. SYSTEM.
ENVIRONMENTAL DESIGN LAB 110
CORR. 120
MEN 121
WOMEN 124
CONFERENCE 135
COURTYARD
MOUNT HORIZONTAL IN BACK SPLASH
CUST. 122
CUST. 123
OFFICE 151
OFFICE 152
OFFICE 153
OFFICE 154
OFFICE 155
OFFICE 127
OFFICE 129
OFFICE 130
OFFICE 131
OFFICE 133
OFFICE 136
OFFICE 137
OFFICE 138
OFFICE 139
OFFICE 126
ELECT. 128 EMERG. LTG. UNIT PANEL "ELA"
CORR. 134
CORR. 125
3"MTC STUB UP 3' FA. TERM CAB.
PAINT BOOTH 115 EXPLOSION PROOF INSTALLATION CLASS 1 DIV. 1
OFF. 116
STOR. 117
APPLIANCE REPAIR LAB 112
HANGERS. SEE DETAIL.
3/8" ROD SUS. AT 8 CORNERS.
OUTLETS @ CARRELS TO BE CONNECTED TO A FLOOR J-BOX. (C.O. #19)
EIPA-1,3,5
EIPA-2,4,6
EIPA-7,9
EIPA-8,10
EIPA-11,13,15
EIPA-12,14,16
EIPA-17,19
EIPA-18,20,22
EIPA-21,23,25
EIPA-24,26
EIPA-27,29
EIPA-31,33,35
EIPB-1
EIPB-2
EIPB-3
EIPB-4
EIPB-5
EIPB-6
EIPB-7
EIPB-8
EIPB-9
EIPB-14
EIPC-1,3,5
EIPC-2,4,6
EIPC-7,9,11
EIPC-8,10
EIPD-1,3,5
EIPD-2,4,6
EIPD-7,9,11
EIPD-8,10,12
EIPD-13,15,17,19,21
EIPD-14,16,18,20
EIPD-22,24,26
EIPD-23
EIPD-30
EIPE-7,9,11
EIPE-8,10
EIPE-12,14,16
EIPE-13,15,17
EIPE-18,20
EIPE-21
EIPE-24,26
EIPE-27,29
EIPE-31,33,35
EIPE-32,34,36
EIPE-37,39,41
EIPE-38,40,42
EIPE-43,45,47
EIPE-44,46,48
EIPE-49,51,53
EIPE-50,52,54
EIPE-55,57,59
EIPE-56,58,60
EIPE-61,63,65
EIPE-62,64,66
EIPE-67,69,71
EIPE-68,70,72
EIPE-73,75,77
EIPE-74,76,78
EIPE-79,81,83
EIPE-80,82,84
EIPE-85,87,89
EIPE-86,88,90
EIPE-91,93,95
EIPE-92,94,96
EIPE-97,99,101
EIPE-98,100,102
EIPE-103,105,107
EIPE-104,106,108
EIPE-109,111,113
EIPE-110,112,114
EIPE-115,117,119
EIPE-116,118,120
EIPE-121,123,125
EIPE-122,124,126
EIPE-127,129,131
EIPE-128,130,132
EIPE-133,135,137
EIPE-134,136,138
EIPE-139,141,143
EIPE-140,142,144
EIPE-145,147,149
EIPE-146,148,150

SECOND FLOOR PLAN - POWER & SIGNAL NOTES

(2) A 1" MTC to telephone backboard.

(3) B Terminate 4-1¼"C with 90° elbow at bottom of telephone backboard.

(4) B Video input/output outlet, four gang 4 11/16" high, 2 1/2" deep with knock-outs for 1" MTC incoming and outgoing conduits four gang raised cover and blank device plate + 18" above finished floor. Furnish and install 1" MTC from this outlet to video input/output. Location as indicated or as otherwise shown.

(5) B Utremold plug G-4000 complete with base,cover, coupling, blank end fittings and with #G-4046T outlet covers on 36" centers, install above base and terminate one end in south west corner of room approximately 12" from face of south wall as shown.

(6) B Outlet for elevator cab lights and fan. Located in center of elevator travel or at elevator controller as directed by elevator contractor.

(7) B 12" x 12" x 4" pull box with screw cover mounted with cover flush with finished floor under demonstration table for TV signal and control cables from TV camera and TV monitor outlets. See instructional equipment schedule.

(8) B Furnish and install duplex receptacles in front apron of demonstration table see Architectural drawings for exact location conceal conduit within cabinet work.

(9) B Furnish and install duplex receptacles in front apron of dental lab tables at each student station. See Architectural drawings for exact location. Locate conduit riser adjacent to a rear leg of each table.

(10) B 1 1/4" MTC to telephone terminal backboard in room 202.

(11) B 1" MTC to telephone terminal backboard in room 146.

(12) B 3/4" MTC to telephone terminal backboard in electric room.

(13) B 1 1/4" MTC to telephone terminal backboard in telephone room

(14) B 1" MTC to telephone terminal backboard in telephone room.

(15) B 3/4" MTC to telephone terminal boackboard in telephone room

(16) B Male adapter for #2 duct opening to one 3/4" conduit.

(21) B Outlet for electric hot water booster heater with C.3 # 6 to panel 2P-1 on circuit 2P-38 locate and connect per equipment manufacturer's instructions.

~~(14) 2 Hubbell #4609 flush enclosure with locking cover vandalproof, weatherproof, 45477-46 30A., 125/250V. Single receptacle on mounting plate for 4600 enclosure and with 3/4" C.3 #10 to panel.~~

~~(15) 2 Clothes dryer receptacle 42" above finished floor with 3/4" C.3 #10 to panel.~~

~~(16) 2 Same as except connect to circuit indicated~~

~~(17) 2 Same as except connect to circuit indicated.~~

~~(18) 2 Same as except connect to circuit indicated~~

~~(19) 2 Same as except connect to circuit indicated.~~

~~(20) 2 Same as except connect to circuit indicated.~~

~~(21) 2 Same as except connect to circuit indicated.~~

~~(27) 2 Range receptacle 42" above finished floor with 1" C.2 #8 & 2 #6 to panel. connect to circuit.~~

~~(23) 2 Same as except connect to circuit~~

~~(24) 2 Furnish and install cast device box and cover per detail and connect two work bench outlets with flexible conduit and 4 #12 (1 GND.).~~

~~(28) 2 1" MTC to telephone terminal cabinet # 1.1 in receiving~~

~~(32) 2 Furnish and install class 1, Div 1 wiring for spray booth power and control 3 way solenoid air valve, with 480V coil furnished and installed under other section of the work, connect so that solenoid valve becomes energized only when spray booth fan is operating. Use on-off type switch to start and stop fan.~~

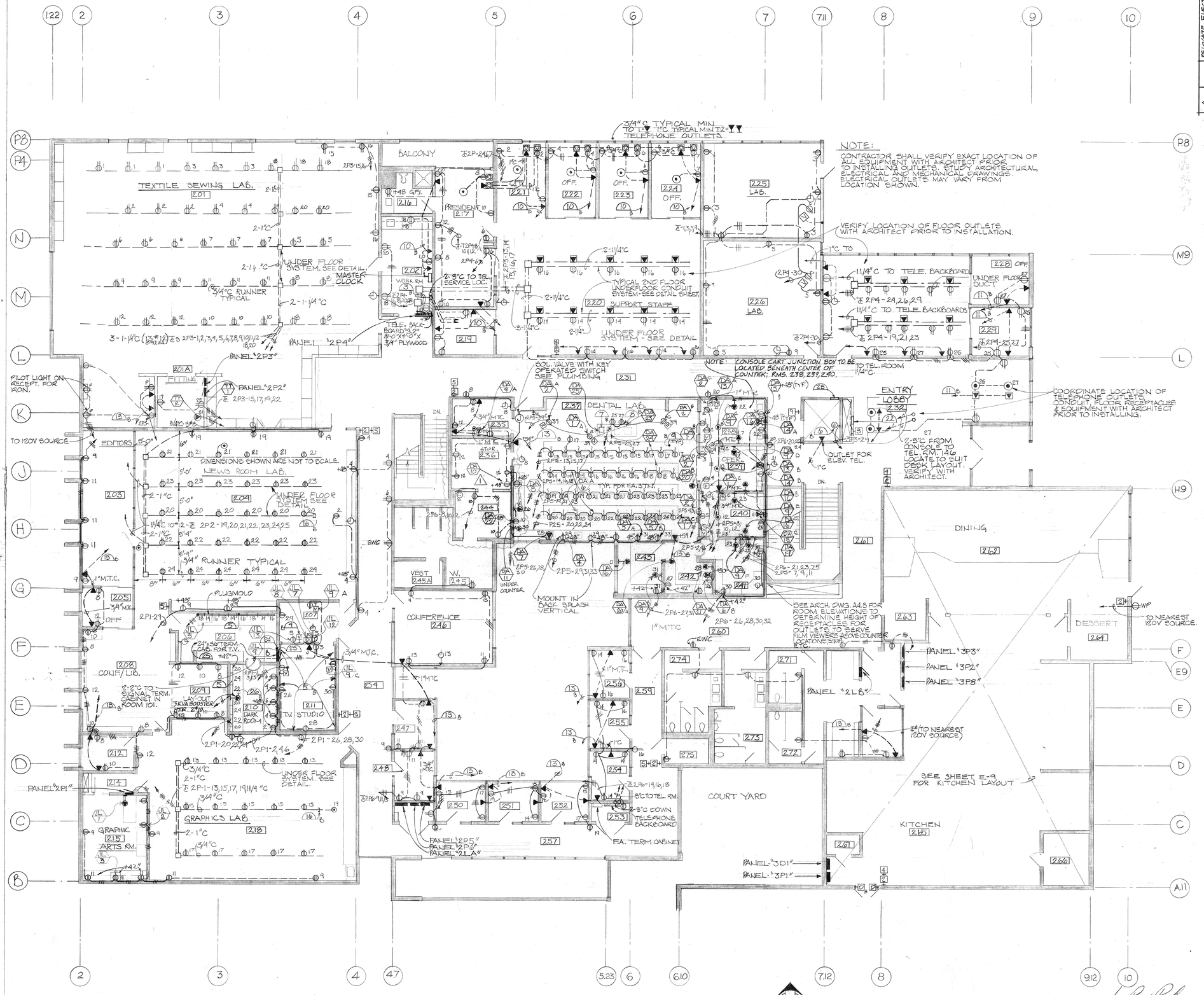
(22) DESK TOP DOOR MONITOR SYSTEM ANNUNCIATOR. SEE WIRING DIAGRAM.

(23) DOOR MONITOR SYSTEM TERMINAL CABINET 12" W, 18" H, 4" D, SEE WIRING DIAGRAM.

(34) FROM ALL TV OUTLET LOCATIONS ON 1ST & 2ND FLOOR RUN 1"C TO THIS TERMINAL CABINET. RUN 120V CIRCUIT FROM TCAB. TO PANEL 2P-1.

(35) STUB UP 1"C. 12" ABOVE ROOF INTO A WEATHERHOOD FOR T.V. ANTENNA CABLE.

(26) BOOSTER BREAKER OUTLET - 3KW - 120V. PROVIDE 30A - 120V. CIRCUIT ON PANEL 2B-1.


TEXTILE SEWING LAB. 201
BALCONY
UNDER FLOOR SYSTEM. SEE DETAIL
MASTER CLOCK
3/4"C RUNNER TYPICAL
PANEL "2P3"
PANEL "2P2"
PANEL "2P1"
PANEL "2P5"
PANEL "21A"
FITTING
EDITORS
DIMENSIONS SHOWN ARE NOT TO SCALE.
NEWS ROOM LAB.
GRAPHIC ARTS RM.
GRAPHICS LAB
CONF./LIB.
T.V. STUDIO
DARK ROOM
CONFERENCE
DENTAL LAB.
ENTRY LOBBY
DINING
DESSERT
KITCHEN
COURT YARD
SEE SHEET E-9 FOR KITCHEN LAYOUT
TYP. FOR EA. STN.
TYPICAL DIV FLOOR UNDERFLOOR CONDUIT SYSTEM - SEE DETAIL SHEET.
SOL. VALVE WITH KEY OPERATED SWITCH SEE PLUMBING
PILOT LIGHT ON RECEPT. FOR IRON.
TO 120V SOURCE
PLUGMOLD
SUPPORT STAFF
EA. TERM CABINET
3/4"C TYPICAL MIN. TO 1¼"C TYPICAL MIN. TELEPHONE OUTLETS.
NOTE: CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLING OUTLETS. STUDY ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. ELECTRICAL OUTLETS MAY VARY FROM LOCATION SHOWN.
VERIFY LOCATION OF FLOOR OUTLETS WITH ARCHITECT PRIOR TO INSTALLATION.
NOTE: CONSOLE CART JUNCTION BOX TO BE LOCATED BENEATH CENTER OF COUNTER; RMS. 238, 239, 240.
COORDINATE LOCATION OF TELEPHONE OUTLETS CONDUIT FLOOR RECEPTACLES & EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLING.
SEE ARCH. DWG. A4.5 FOR ROOM ELEVATIONS TO OBTAINING HEIGHT OF RECEPTACLES FOR OUTLETS TO SERVE FILM VIEWERS ABOVE COUNTER LOCATIONS.
OUTLET FOR ELEV. TEL.
TO NEAREST 120V SOURCE.
MOUNT IN BACK SPLASH VERTICAL
UNDER COUNTER
1"C TO TELE. BACKBOARD
TO TEL. ROOM
11/4"C TO TELE. BACKBOARDS
UNDER FLOOR DUCT
2-3"C TO TEL. SERVICE LOC.
2-3"C TO SIGNAL TERM. CABINET IN ROOM 101.
3KVA BOOSTER HTR. 2P10
3-1-1/4"C (1½" I.D.) TO 2P3-1,2,3,4,5,6,7,8,9,10,11,12,18,20
3-1"C TO 2P1-1,2,3,4,5,7,9,11,13,15,17,19,21,23
2-1"C TO 2P2-19,20,21,22,23,24,25
2-1¼"C TO 2P4-6,7
2-1-1/4"C TO 2P4-8,9,10,11,12
2P1-20,22,24
2P1-2,4,6
2P1-26,28,30
2P6-14,16,18
2P6-9,11,13
2P6-21,23,25
2P6-26,28,30,32
2P5-15,17,19
2P5-14,16,18,20
2P5-21,23
2P5-20,22,24
2P5-25,27
2P5-2,4,6,8
2P5-1,3,5,7,9,11
2P5-13,15,17
2P5-27,29,31,33
2P5-22,28
2P4-30
2P4-24,26,29
2P4-19,21,23
2P4-25,27
2P4-28
2P4-1,3,5
2P4-2,4
2P4-12,14,16
2P4-13,15
2P4-17
2P4-18
2P4-27
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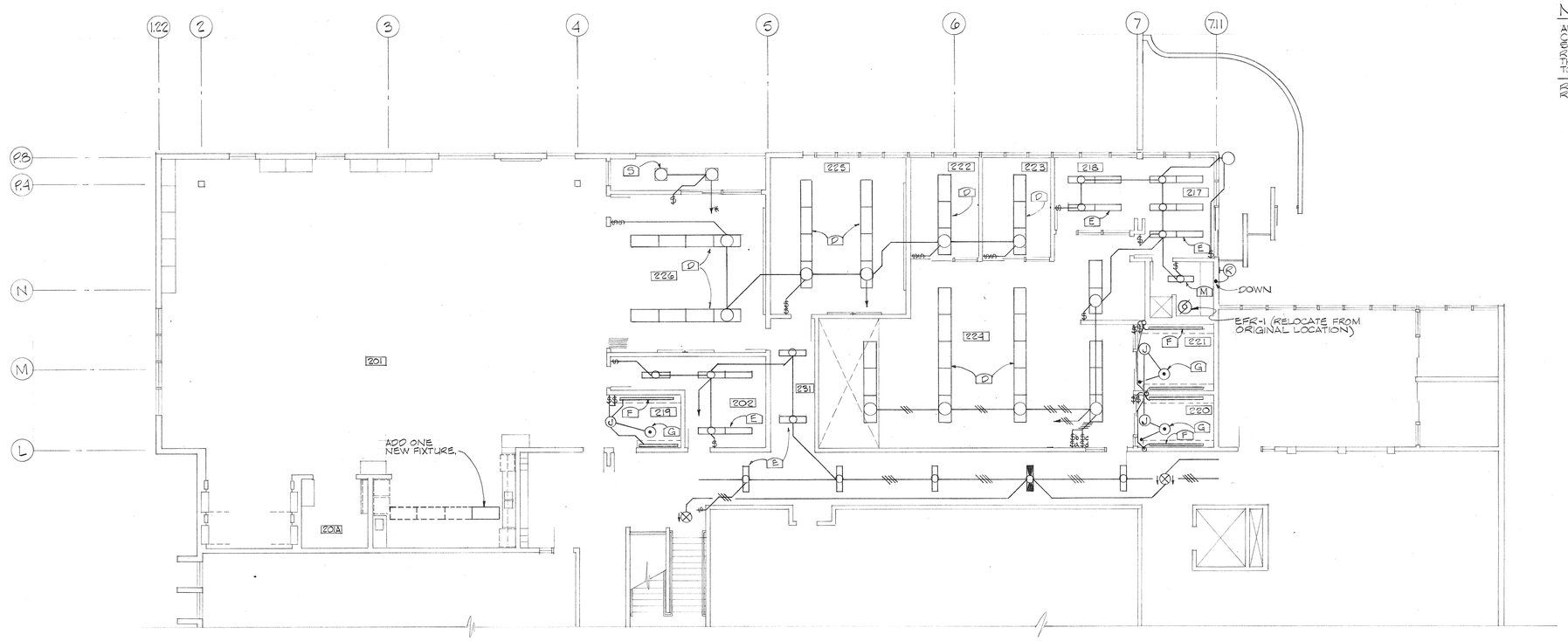
2P4-68
2P4-69
2P4-70

NOTE - LIGHTING

ALL CIRCUITING, LIGHTING, SWITCHING, ETC., SHALL CONFORM TO ORIGINAL DRAWINGS AND SPECIFICATIONS. NEW LAYOUT IS REARRANGED REQUIRED FOR NEW ARCHITECTURAL LAYOUT IN THIS AREA. VERIFY WITH ORIGINAL DRAWINGS TO DETERMINE ALL REQUIREMENTS.

ROOMS NOT SHOWN WITH LIGHTING LAYOUTS REMAIN THE SAME AS ORIGINAL BID SET.



PARTIAL SECOND FLOOR PLAN - LIGHTING LAYOUT

SCALE: 1/8"=1'-0"

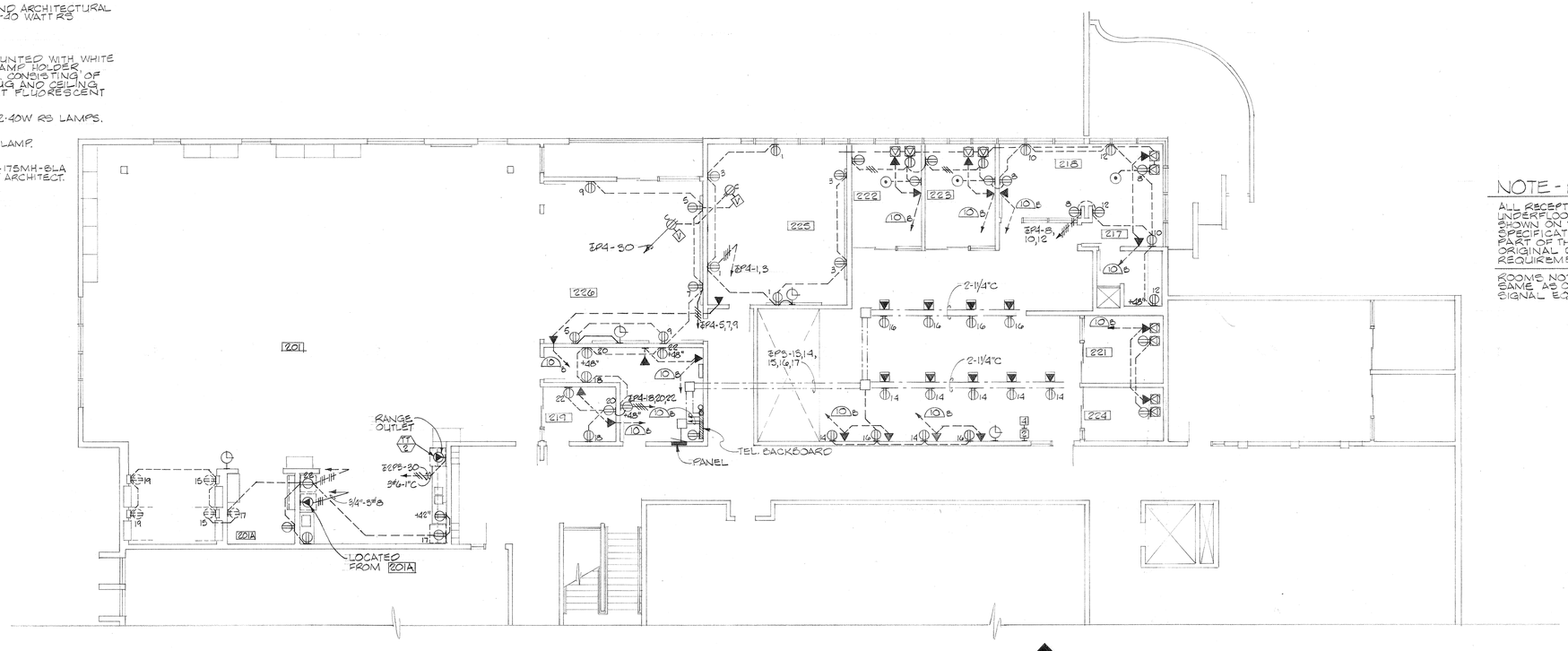
FIXTURE SCHEDULE

- (D) - GLOBE 2x4 SURFACE MOUNTED FIXTURE. #RYY8254-4R WITH 4-40 WATT RS LAMPS.
- (E) - GLOBE 1x4, 2 LAMP SURFACE MOUNTED. CAT. NO. RYY8102-4R WITH 2-40 WITH RS LAMPS.
- (F) - WALL MOUNTED COVE LAMP BEHIND ARCHITECTURAL STRIP. GLOBE NO. 1602-4R WITH 2-40 WATT RS LAMP.
- (G) - LIGHTOLIER #4426 PENDENT MOUNTED WITH WHITE ACRYLIC DIFFUSER, CHROME LAMP HOLDER ASSEMBLED ON 4671 SWAG KIT, CONSISTING OF 20 FOOT WHITE CORD SWITCH PLUG AND CEILING ACCESSORIES WITH ONE 22 WATT FLUORESCENT LAMP.
- (M) - GARDCO #K9408/10-240 WITH 2-40W RS LAMPS.
- (S) - MCPHILBEN #6W308-S-100W MV LAMP.
- (R) - WALL BRACKET GARDCO #8E14FS-175MH-8LA MOUNTING HEIGHT AS DIRECTED BY ARCHITECT.
- (X1) - MCPHILBEN #50C-6R-277V.
- (X2) - MCPHILBEN #50C-26F-277V.

NOTE - RECEPTACLES, ETC.

ALL RECEPTACLE, CIRCUITING, TELEPHONES, UNDERFLOOR DUCT, SIGNALS, CLOCKS, ETC., SHOWN ON THE ORIGINAL DRAWINGS AND SPECIFICATIONS INCLUDING NOTES ON A PART OF THE CHANGE. VERIFY WITH ORIGINAL DRAWINGS TO DETERMINE ALL REQUIREMENTS.

ROOMS NOT SHOWN ARE REMAINING THE SAME AS ORIGINAL BID SET FOR POWER & SIGNAL EQUIPMENT.



PARTIAL SECOND FLOOR PLAN - RECEPTACLE LAYOUT

SCALE: 1/8"=1'-0"

AS BUILT

W.P. BAKER #3184
MECHANICAL ENGINEER

J.G. CRANDALL #8595
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CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA · J. S. NANCE, ARCHITECT · J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

PARTIAL SECOND FLOOR PLAN

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO CALIFORNIA

SHEET E-6A OF

DATE 6/11/80
REV. 9/29/80
JOB No. 2102-80

SPACE DESIGNATION

ROOM NUMBER	ROOM NAME	FIXTURE TYPE
101	Boiler Room	L A
102	Engineering Lab.	E A
103	Work Room	A
104	Survey Storage	F (G) F (G)
105	Office	E E
106	Office	E A
107	Work Room	F (G) A
108	Vestibule	L L
109	Model Making	N F (G)
110	Environmental Design Lab	
111	Office	B
112	Applicance REpair Lab	M L
113	Tool Room	L M
114	Storage	A F (G)
115	Paint Booth	F (G) L
116	Office	F (G) L
117	Storage	F (G) L
118	Vestibule	F (G) L
119	Entry Lobby	F (G) A
120	Corridor	B F (G)
121	Men	F (G) L
122	Cot	F (G) L
123	Custodian	F (G) L
124	Women	B F (G)
125	Conference	F (G) L
126	Office	A L
127	Office	A B
128	Electrical	L L
129	Office	E A
130	Office	B B
131	Office	B B
132	Telephone	B F (G)
133	Office	F (G) A
134	Corridor	L A
135	Corridor	E B
136	Office	B
137	Office	L
138	Office	A
139	Office	B
140	Classroom	B
141	Classroom	A
142	Corridor	B
143	Criminal Justice Lab.	A
144	Corridor	B
145	Elevator Machine Room	L
146	Storage	L
147	Cust. Storage	A
148	Data Processing Lab.	E
149	Projection Room	B
150	D.P.A.	B
151	D.P.A.	B
152	D.P.A.	F (G)
153	D.P.A.	A
154	Office	E
155	Office	B
156	Data Processing Lab.	
157	Storage	
158	Data Processing Lab.	
159	Projection Room	
160	Program Area	
161	Data Processing Lab.	

DIMMING CONTROL.

FIXTURE SCHEDULE

~~A GLOBE LIGHTING GYY9254-4R, SURFACE MOUNTED 2'x4' FLOURESCENT FIXTURE, POSTIVE DOOR LATCHES, RADIALENS AOL LIGHT CONTROL LENS, FOUR F40 LAMPS. (All fluo. fixtures 277V unless otherwise noted).~~

~~B GLOBE # VDT 7301-4R, TOTALLY ENCLOSED FLUORESCENT FIXTURE, ACRYLIC OPAL DIFFUSER, HPF BALLAST, ONE F40 LAMP. FOR SINGLE OR CONTINUOUS ROW MOUNTING.~~

~~E GLOBE 1201 -4R W/WG-1, SURFACE MOUNTED FLOURESCENT STRIP LIGHT WITH WIRE GUARD, HPF BALLAST, ONE F40 LAMP.~~

~~F GLOBE GYY9252-2V, SURFACE MOUNTED 2'x2' FLUORESCENT FIXTURE, POSITIVE DOOR LATCHES, SMOOTH DROPPED MATTE WHITE ACRYLIC DIFFUSER, TWO F40/U/6 LAMPS.~~

~~L GLOBE VDT T312-2T, SURFACE MOUNTED FLUORESCENT FIXTURE TRANSLUCENT MATTE WHITE ARMOUND, ACRYLIC P.....IC DIFFUSER, 277V HPF TRIGGER START BALLAST, TWO F20T12 L.~~

~~N GLOBE GYY6254-4R-05, RECESSED 2'x4' FLUORESCENT FIXTURE FOR MOUNTING IN LAY-IN, POSITIVE DOOR LATCHES, RADIALENS AOL LIGHT CONTROL LENS, FOUR F40 LAMPS.~~

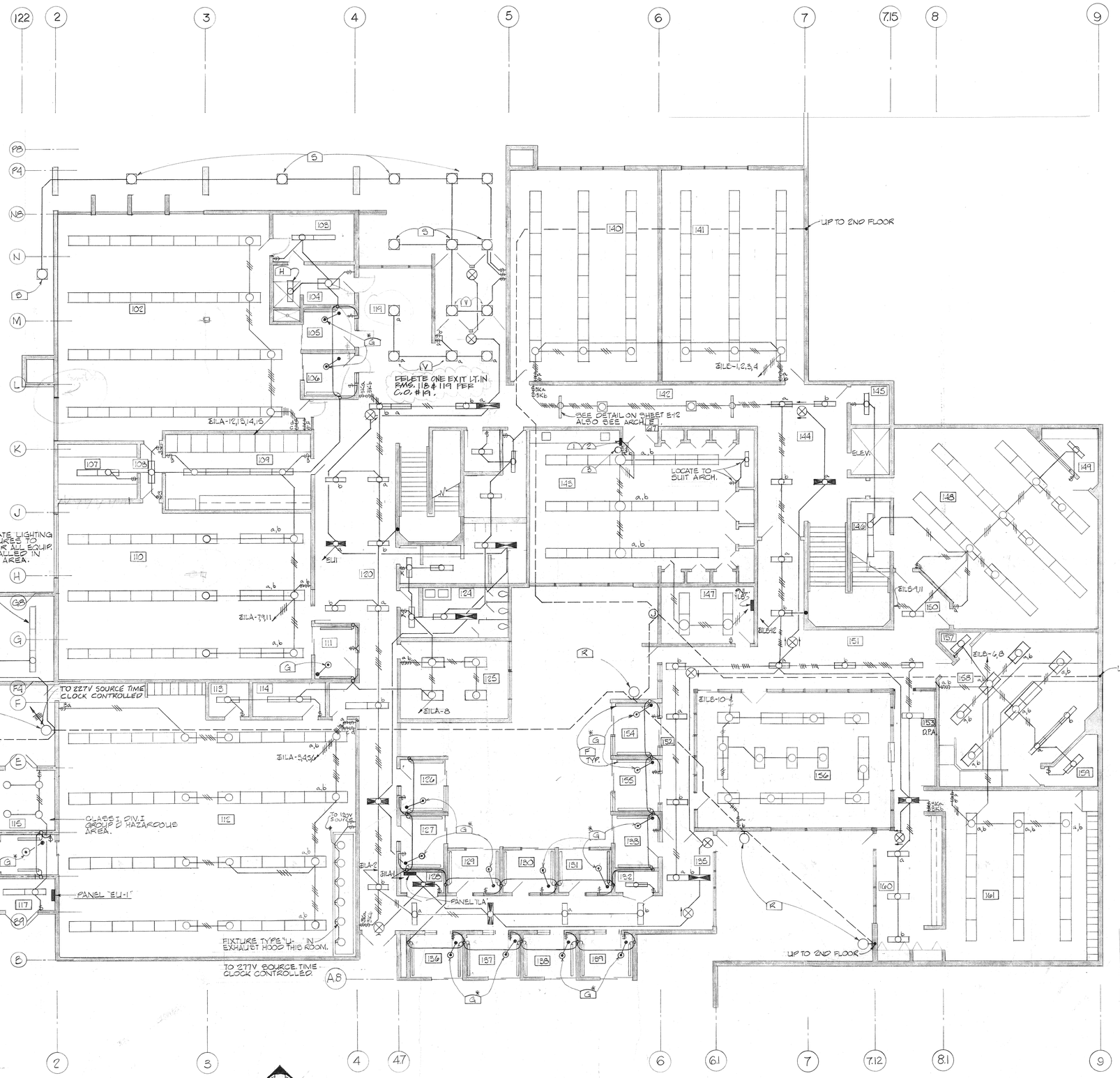
~~N GLOBE GYY 6252-4R, RECESSED 2'x4' FLOURESCENT FIXTURE FOR MOUNTING IN CONCEALED SPLINE CEILING, POSITIVE DOOR LATCHES, RADIALENS AOL LIGHT CONTROL LENS, TWO F40 LAMPS. VERIFY TYPE OF CONCEALED SPLINE CEILING CONTRACTOR BEFORE ORDERING FIXTURE.~~

FIXTURE SCHEDULE

SEE SPECIFICATIONS FOR FIXTURE TYPE

1. FIXTURES IN ROOM 148 TO BE PROVIDED FOR DIMMING CONTROL.
2. NOTES (1) & (2) & (3) ARE AS FOLLOWS:
   a) 2'x8' 277V CWE C. FLUSH MOUNTED IN NEMA I ENCLOSURE.
   b) PROVIDE DIMMING EQUIPMENT FOR 277V LIGHTING IN ROOM 148, WIRE AS REQUIRED.
   c) PROVIDE REMOTE DIMMING CONTROL UNIT AS REQUIRED. VERIFY WITH ARCHITECT. LOCATE "HUNT" OR EQUAL DIMMERS ABOVE CEILING IN ACCESSABLE LOCATION.

NOTE: FIXTURE "UU" IN EXHAUST HOOD IN ROOM 112 TO BE ENCLOSED AND GASKETED MOUNTED ON CONDULET FITTING AND PROVIDED W/100W LAMPS.



NOTE:
*CONNECT TO NEAREST 120V PANEL

FIRST FLOOR PLAN - LIGHTING LAYOUT
SCALE: 1/8"=1'-0"

AS BUILT

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
NO. 27 79
Approved for Structural Safety
Date 4-25-79
By W. Markward Mays
Principal Structural Engineer

W. F. BOWER #5184
MECHANICAL ENGINEER

P.C. CRANDALL #8895
ELECTRICAL ENGINEER
WILLIAMSON ENGINEERING, INC.
2678 NO. MAIN ST., #25
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935-6811

FIRST FLOOR - LIGHTING

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
CCCCD
SAN PABLO
CALIFORNIA

SHEET E-7
OF
DATE 8-24-79
JOB No. 770-71A

ROOM NUMBER	ROOM NAME	FIXTURE TYPE
201	Textile Sewing Lab.	D
201A	Fitting Room	E D
202	Work Room	D
203	Editors	D
204	Newsroom Lab.	D
205	Office	D D
206	Light Room	D D
207	Monitor	D
208	Conference/Library	D
209	Layout/Make-up	D
210	Dark Room	E T
211	T.V. Studio	H D
212	Storage	E
213	Graphics Lab.	
214	Vestibule	
215	Graphic Arts Work Room	M E
216	Toilet	E E
217	President	E F (G)
218	Conference	D D
219	Office	D (F) D (F)
220	Support Staff	D (F) D (F)
221	Office	E E
222	Office	E E
223	Office	E E
224	Office	E E
225	Office	H BB
226	Classroom	T CC T (BB)
227	Classroom	T CC D
228	Staff	D CC
229	Office	H M
230	Office	M D
231	Corridor	F (G) E (G)
232	Corridor	H F (G)
233	Entry Lobby	F (G) F (G)
234	Vestibule	H F (G)
235	Corridor	E F (G)
236	Office	E F (G)
237	Office	E E
238	Office	E E
239	Corridor	E E
240	Corridor	E K
241	Corridor	E M
242	Dining	M M
243	Waiting	M M
244	Dessert	M E
245	Kitchen	H M
246	Storage	E E
247	Custodian	E E
248	Office	M M
249	Vestibule	M M
250	Locker Room	M M
251	Women	H AA
252	Men	
253	Men	
254	Women	
255	Custodian	
256	STAIRWAY (2)	
257		
258		
259		
260		
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275		

FIXTURE SCHEDULE

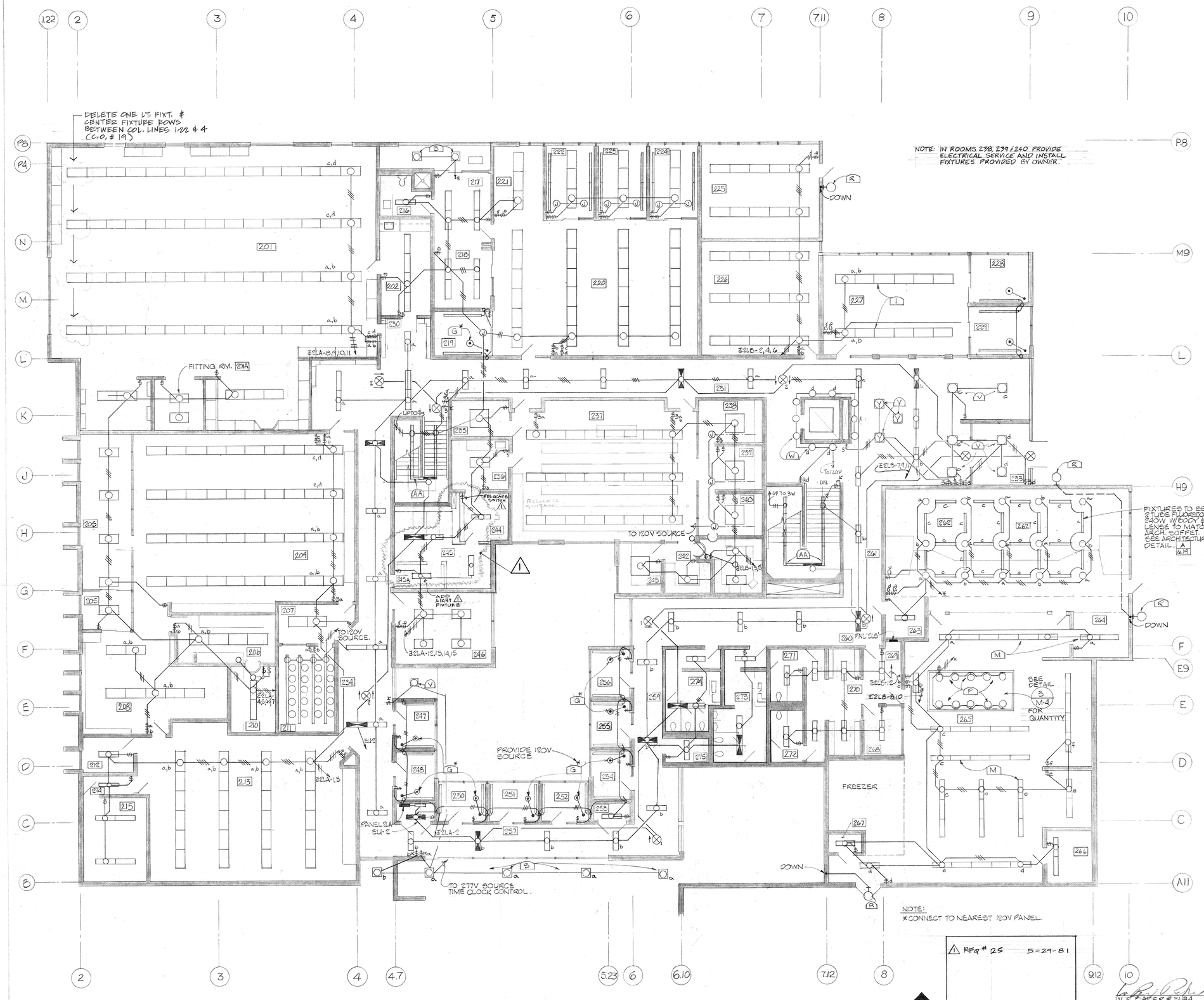
SEE SPECIFICATIONS FOR FIXTURE TYPE

(1) TYPE 'D' FIXTURES IN 227 SHALL HAVE DIMMING BALLASTS.

(F) - INDICATES ADDITIONAL FIXTURES (TYP.)

** - CONFIGURATION FOR LIGHTING TO FOLLOW STAIRWAY CEILING PATTERN.

*** - LIGHT TRACK W/ 6-75W FLOODS PER SECTION. 4-14' SECTIONS REQUIRED.



SECOND FLOOR PLAN - LIGHTING LAYOUT

SCALE: 1/8" = 1'-0"

AS BUILT

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2867
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ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
DATE 2-17-79
By S. Madsen-Jones
APPLICATION NO. 48256
DSA 2-79 NWC

W. P. BAKER # 5134
MECHANICAL ENGINEER

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SECOND FLOOR - LIGHTING

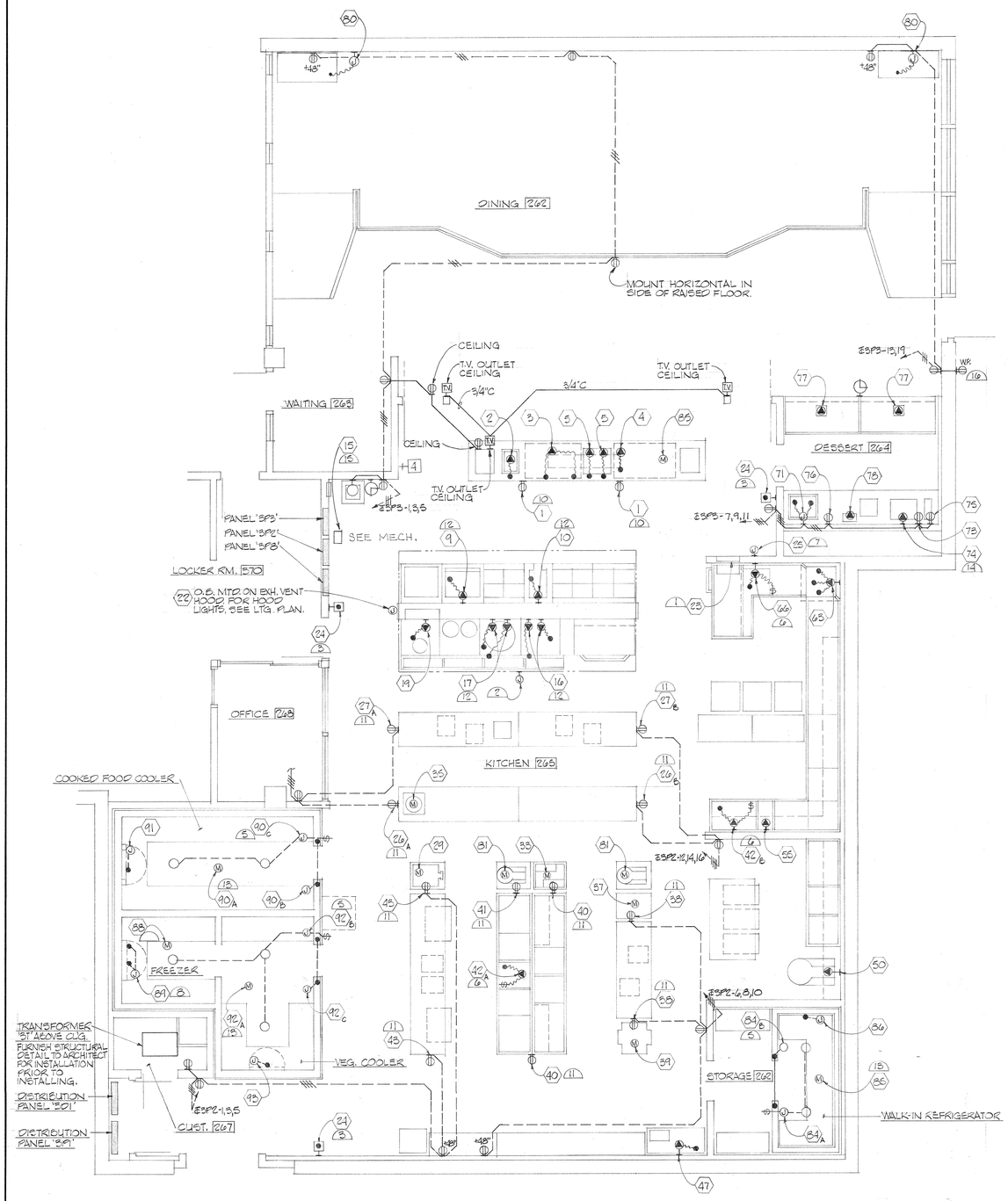
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO

CCCCD
CALIFORNIA

SHEET E1-8/9
OF
DATE 8-24-79
JOB No. 770-71A

NOTE:

CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLING OUTLET. STUDY ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. ELECTRICAL OUTLETS MAY VARY FROM LOCATION SHOWN.



KITCHEN PLAN - POWER LAYOUT

SCALE: 1/4"=1'-0"

NOTES:

1. Exhaust ventilator control station C100A. Furnish and install 5# 12 from C100 to thermostat junction box. , 5 #12 from C100A to hood exhaust fan starter in IMCC2 and 2 #12 from C100A, to panel 3P3 circuit #10 to provide 120V, service to C100A control station C100A and thermostat junction box are Gayloard Industries ewuipment furnished and installed under other section of the work.
2. Thermostat junction box.For exact location see equipment drawings & sheet M-4.
3. Fire pushbutton unit, furnished by equipment mfgr. installed and connected under the Electrical section of the Work with 2#12 to C100A.
4. Furnish and install Hubbell #5462, equivalent arrow-Hart, or equal, 20A. 250V, 2 pole, 3 wire grounding duplex receptacle.
5. Install and connect switch and light fixtures furnished under food service section and make final connections.
6. Furnish and install raintight O.B., mount and interconnect switch, time delay relay and solenoid valve furnished under food service section and make final connections per code requirements.
7. Furnish and install 120V supply as noted and code wiring to microswitch on dry chemical release unit and shunt trip and connect to kitchen hood connect to trip dry chemical system . Follow fireprotection system contractor's instructions.
8. Connect to evap fan unit and drain line heater unit per food service equip. contractor's instructions.
9. Furnish and install code wiring between condensing unit and evaporator unit for control and defrost system. Follow food service equipment contractor's instructions.
10. Flush mount in apron of demonstration table.
11. Surface mount on underside of work counter with exposed conduit stubbed-up from floor secured to work table structure.
12. Furnish shunt trip for circuit breaker supplying power to this unit. Shunt trip connection per note (7).
13. Furnish and install code wiring between condensing unit and evaporator unit for control system. Follow food service equipment contractor's instructions.
14. Furnish and install Hubbell #9430 receptacle and 4 #10 conductor cord with # 9431 plug connector.
15. Furnish and install code wiring from gas shut-off valve and reset relay. Follow Fire Protection system contractor's instructions.

NOTE: INSTALLATION OF MOST FOOD SERVICE EQUIPMENT IS INCLUDED IN ALTERNATE NO. 9, SEE ARCHITECTURAL DRAWINGS FOR INSTALLATIONS INCLUDED IN BASE BID, ALL ROUGH-INS ARE INCLUDED IN BASE BID.

FOOD SERVICE EQUIPMENT SCHEDULE

SYM	DESCRIPTION	RATING	C/B TR. P.	CIRCUIT	WIRING	NOTES
1A	Duplex Rec. Demo Table	6KW-120V-1ø		3P3-2	1/2"C - 2 # 12	10
1B	" "	" " "		3P3-4	" " "	10
2	Food Warmer	1.0KW-115V-1ø		3P3-8	" " "	
3	Warming Cabinet	3.0KW-208V-1ø		3P3-17	-3 #12	
4	Under Counter Refrigerator	.900W-115V-1ø		3P3-6	-2 # 12	
5A	Hot Plate Unit	5.2KW-208V-1ø		3P3-14	-2 #10	
5B	" "	" "		3P3-18	" " "	
9	Griddle W/oven base	22.9KW-480V-3ø		3P1-3	3/4"C-3 #8	12
10	Deep Fat Fryer	12.0KW-480V-3ø		3P1-4	3/4"C-3 # 12	12
15	Auto Gas shut-off Valve	120V-1ø				15
16	Steam Cooker	48.0KW-480V-3ø 2.0AMps-115V-1ø		3P1-3P3-12	1¼"C-3 #4 1/2"C-2 #12	12
17	5 Gallon Trunnion Kettles	48.0KW-480V-3ø 2.0AMps-115V-1ø		3P1-3P3-12	1¼"C-3 #4 1/2"C-2 #12	12
19	Vertical Cutter/ Mixer	5 1/2HP-480V-3ø		3P8-9	1/2"C-3 #12	
22	Exh. Ventilator Lights	120V-1ø		3P2-24	1/2"C-2 #12	See Ltg. Plan
23	Exh. Vent Control & Cleaning Sta.	115V-1ø		3P3-10	" "	
24	Fire Pushbutton Unit (3)					3
25	Fire Suppression System	120V-1ø		3P2-22		7
26A	Duplex Rec. Work TAble.	6KW-120V-1ø		3P2-11		11
26B	" "	"		3P2-12		11
27A	" "	"		3P2-7		11
27B	" "	"		3P2-14		11
29	Meat Grinder	1/2HP-115V-1ø			cord furnished with equip.	Plug-in
33	Food Slicer	1/4HP-120V-1ø			Cord Furnished with Equip	Plug-in
35	Gal. Blender	15A-120V-1ø			Cord Furnished with equip.	Plug-in
37	Mobil Proof Box	1.0KW-120V-1ø			Cord Furnished with Equip.	Plug-in
38A	Duplex Rec. Work TAble	" "		3P2-8	1/2"C-2 #12	11
38B	" "	700W-120V-1ø		3P2-10	" "	11
39	Mobile Dough Sheeter	1/4HP-115V-1ø			Cord Furnished with Equip.	Plug-in
40	Duplex Rec. Sink Unit	700-120V-1ø		3P2-20	1/2"C-2 #12	11
41	" "	900-120V-1ø		3P8-18	-2 #12	11
42A	Garbage Grinder	1 1/2HP-480V-3ø		3P8-10	- 3 #12	6
43A	Duplex Rec. work Table	1200-120V-1ø		3P2-5	-2 #12	11
43B	" "	600-120V-1ø		3P2-3	-2 #12	11
47	Ice Flake Maker	3/4HP-115V-1ø		3P2-27	1/2"C-2 #10	
50	60 Qt. Mixer	1HP-480V-3ø		3P8-15	-3 #12	
55	Water Circ. Pump	1/3HP-115V-1ø		3P2-16	-2 #12	
42B	Garbage Grinder	1½HP-480V-3ø		3P8-16	3 #12	6
63	Dishwashing Mach.	1HP. 5KW, Htr. 15KW Booster-480V-3ø		3P8-27 3P8-21	1/4"C- 5#12 1/2"C-3 #10	
66	Garbage Grinder	3HP-480V-3ø		3P8-22	1/2"C-3 #12	6
71	Cabonater Beverage System	1/4HPA 1/6HP-120V-1ø		3P3-9	1/2"C-2 #12	
73	Duplex REc. Under-counter Refrig.	4.0A-115V-1ø		3P3-11	" -2 #12	Plug-in
74	Coffee Maker w/h.w. Disp.	27A 120/208V-1ø 3W		3P3-22	" -3 #10	10
75	Duplex Rec. Hot Chocolate Disp.	115V-1ø		3P3-11	1/2"C-2 #12	Plug-in
76	Duplex REc. Ice Tea Disp.	82W-115V-1ø		3P3-7	" -2 #12	Plug-in
77A	Pass Thru Refrigerator	19.0A-115V-1ø		3P2-23	" -2 #12	
77B	" "	" "		3P2-25	" -2 #10	
78	Toaster	2.6Kw-208V-1ø		3P3-21	" -2 #12	4
80A	Built-in Coffee Warmer	150W-115V-1ø		3P3-13	1/2"C-2 #12	
80B	" "	" "		3P3-3	" "	
81A	20 QT. Mixer	1/3HP-115-1ø			Cord Furnished with equip.	Plug-in
81B	"	"				Plug-in

FOOD SERVICE EQUIPMENT SCHEDULE CONT:

SYM.	DESCRIPTION	RATING	C/B TR. P.	CIRCUIT	WIRING	NOTES
83	5 Qt. Mixer	1/6HP-115V-1ø		3P3-4	Cord Furnished with equip.	Plug-in
84A	Walk-in Refrig. Lights	300W-120V-1ø		3P2-17		5
84B	Walk-in Refrig. Door Htr.	375W-120V-1ø		3P2-17	Cord Furnished with Equip.	
85	Walk-in Refrig. Condensing Unit	1/2HP-115V-1ø		3P2-19		13
86	Walk-in Refrig. Evaporator Unit	130W-115V-1ø		3P2-17		
88	Freezer Condensing Unit	1 1/2HP-460V-3ø		3P8-3	1/2"C-3 #12	9
89	Freezer Evaporator Unit	1.4KW-208V-1ø		3P2-15	-2 #12	8
90A	Cooked Food Cooler Condensing Unit	1HP-460-3ø		3P8-4	-3 #12	13
90B	Cooked Food Cooler Door Htr.	375W-120V-1ø		3P2-21	-2 #12	
90C	Cooked Food Cooler Lght.	300W-120V-1ø		3P2-21	" "	5
91	Cooked Food Center Evaporator Unit	275W-115V-1ø		3P2-21	" "	
92A	Veg.Cooler Condensing Unit	3/4HP-115V-1ø		3P2-2	" "	13
92B	Veg.Cooler Lights	450W-120V-1ø		3P2-4	" "	5
92C	Veg. Cooler Door Htr.	375W-120V-1ø		3P2-4	" "	
93	Veg. Cooler Evaporator Unit	130W-120V-1ø		3P2-4	" "	

AS BUILT

W.F. EAKER #5184
MECHANICAL ENG.

L.C. RANDALL #8595
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ARCHITECT

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OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION

AUG 27 79

Per [illegible]

42856

APPLICATION

APPROVED

DATE

BY

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
CONFER, CROSSEN & NANCE
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KITCHEN PLAN & FOOD SERVICE SCHEDULE

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

SHEET: E-9

OF

DATE: 8-24-79

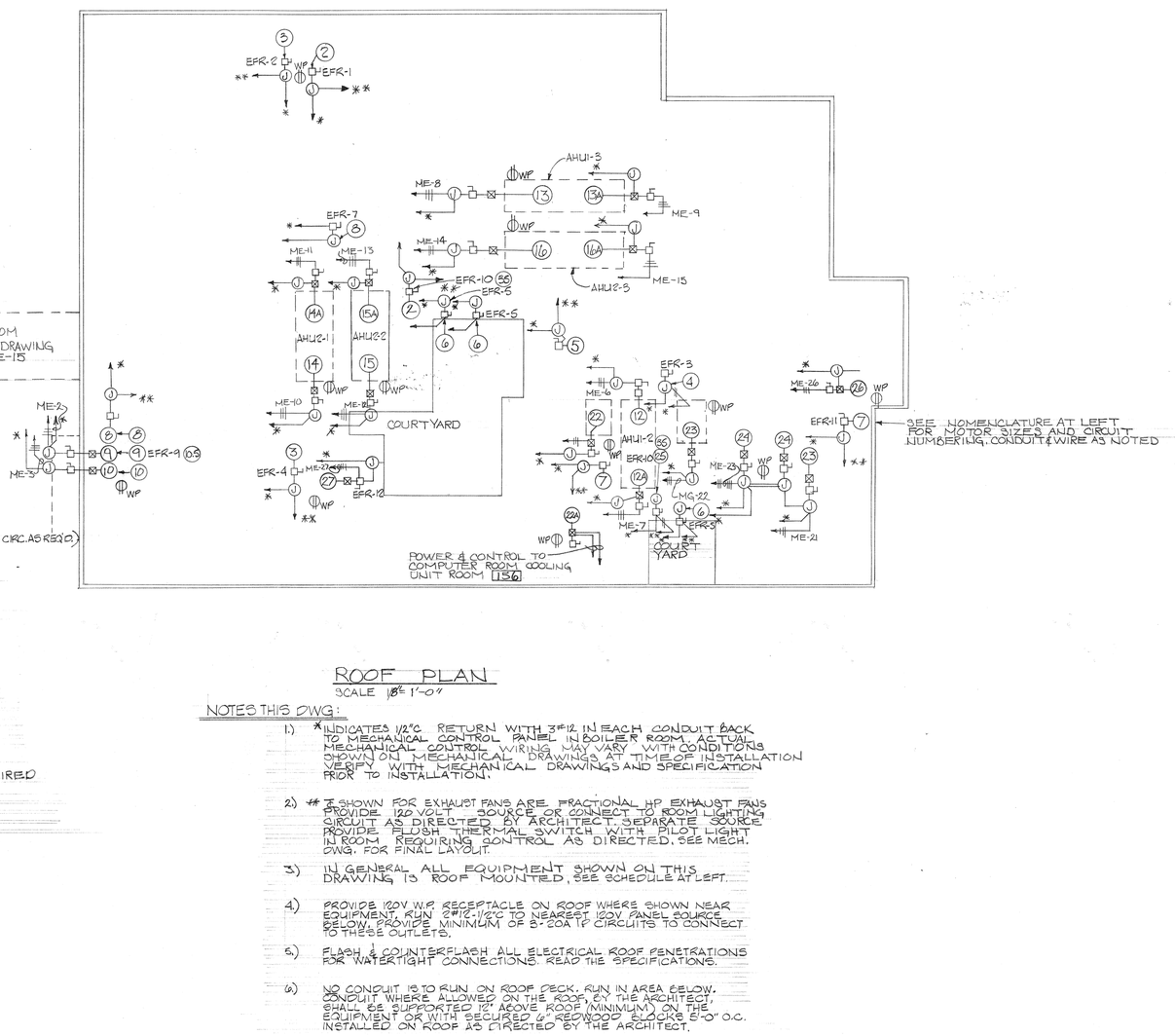
JOB No. 770 - 7/A

MOTORS & MECHANICAL SCHEDULE

NO.	NOMENCLATURE	℄	H.P.	WIRE CONDUIT
①	COOLING TOWER	ME-1	20 HP	3#8-3/4"C
②	EFR -1		1/2 HP	2#10 - 3/4"C
③	EFR -2		1/25 HP	
④	EFR -3		1/40 HP	
⑤	EFR -4		1/2 HP	
⑥	EFR -5		1/40 HP	(3 CIRC. - 3 UNITS)
⑦	EFR -11		1/6 HP	
⑧	EFR -7		1/4 HP	
⑨	EFR -8	ME-2	1 1/2 HP	3#12-3/4"C
⑩ (05)	PAINT BOOTH FAN, EFR -9	ME-3	2 HP	3#12-3/4" C
⑪	AIR HAND UNIT 1-1, 3#8-3/4"C	ME-4	15 HP 1/2 HP	RETURN FAN 3#12-3/4"C
⑫	AIR HAND UNIT 1-2, 3#8-3/4"C	ME-6	15 HP	RETURN FAN 3#12-3/4"C
⑬	AIR HAND UNIT 1-3, 3#8-3/4"C	ME-8	10 HP	RETURN FAN 3#12-3/4"C
⑭	AIR HAND UNIT 2-1, 3#8-3/4"C	ME-10	15 HP	RETURN FAN 3#12-3/4"C
⑮	AIR HAND UNIT 2-2, 3#8-3/4"C	ME-12	15 HP	RETURN FAN 3#12-3/4"C
⑯	AIR HAND UNIT 2-3 3#8-3/4"C	ME-14	10 HP	RETURN FAN 3#12-3/4"C
⑰	PUMP PCD-1 (COOLING TOWER)	ME-16	15 HP	3#10-3/4"C
⑱	PCH -1	ME-24	15 HP	3#10-3/4"C
⑲	PCH -2	ME-17	3 HP	3#12-3/4"C
⑳	PHY -1	ME-18	3 HP	3#12-3/4"C
㉑	PHY -2	ME-19	3 HP	3#12-3/4"C
㉒	COMPUTER RM, COOLING UNIT SEE 22A BELOW, SWAMP COOLER	ME-21	10 HP	3#8-3/4"C (UNIT IN ROOM - CONDENSER ON ROOF, 3-11/2HP MOTORS, CIRC. AS REQ'D)
㉒		ME-22	7 1/2 HP	3#12-3/4"C (CONDENSER IN KITCHEN INTERLOCK WITH KITCH HOOD FANS)
㉔	KITCHEN HOOD FANS (2) EA (IN TANDEM)	ME-23	2 HP	3#12-3/4"C (CONDENSER IN HOOD IN KITCHEN)
㉕	SPARE	TO MAIN PNL ME-25	3P, 20A.	
㉖	DISHWASHER HOOD	ME-26	3HP	3#12-3/4"C (CONTROL IN ROOM AT HOOD)
㉗	APPLIANCE HOOD	ME-27	3/4 HP	3#12-3/4"C (EFR-12)
㉘	VACUUM PUMP	ME-28	1 1/2 HP	3#12-3/4"C
㉙	AIR COMPRESSOR	ME-29	15 HP	3#10-3/4"C
㉚	AIR DRYER	ME-30		3#12-3/4"C
㉔	CONDENSING UNIT ON ROOF.			CONDUIT AND WIRE AS REQUIRED
㉛	WATER CHILLER	MAIN PNL. 108.2 KV		3#4/0 - 2"C
㉜	PUMP	ME-24	15 HP	3#10 - 3/4"C
㉝	EFR-10		1/6 HP	2#10 - 3/4"C (3 CIRCUITS - 3 UNITS)
㉞	EFR-11		1/6 HP	2#10 - 3/4"C

NOMENCLATURE	℄	
RETURN FAN 3HP	⑪A	ME-5
RETURN FAN 3HP	⑫A	ME-7
RETURN FAN 3HP	⑬A	ME-9
RETURN FAN 3HP	⑭A	ME-11
RETURN FAN 3HP	⑮A	ME-13
RETURN FAN 3HP	⑯A	ME-15

NOTE: ALL MOTORS 1/2 HP & ABOVE SHALL BE 480 VOLTS, 3 ϕ, 3 W



ROOF PLAN

SCALE 1/8" = 1'-0"

NOTES THIS DWG:

1.) * INDICATES 1/2"C RETURN WITH 3#12 IN EACH CONDUIT BACK TO MECHANICAL CONTROL PANEL IN BOILER ROOM. ACTUAL MECHANICAL CONTROL WIRING MAY VARY WITH CONDITIONS SHOWN ON MECHANICAL DRAWINGS AT TIME OF INSTALLATION VERIFY WITH MECHANICAL DRAWINGS AND SPECIFICATION PRIOR TO INSTALLATION.

2.) ** IF SHOWN FOR EXHAUST FANS ARE FRACTIONAL HP EXHAUST FANS PROVIDE 120 VOLT SOURCE OR CONNECT TO ROOM LIGHTING CIRCUIT AS DIRECTED BY ARCHITECT. SEPARATE SOURCE PROVIDE FLUSH THERMAL SWITCH WITH PILOT LIGHT IN ROOM REQUIRING CONTROL AS DIRECTED. SEE MECH. DWG. FOR FINAL LAYOUT.

3.) IN GENERAL ALL EQUIPMENT SHOWN ON THIS DRAWING IS ROOF MOUNTED, SEE SCHEDULE AT LEFT.

4.) PROVIDE 120V W.P. RECEPTACLE ON ROOF WHERE SHOWN NEAR EQUIPMENT. RUN 2#12-1/2"C TO NEAREST 120V PANEL SOURCE BELOW. PROVIDE MINIMUM OF 3-20A 1P CIRCUITS TO CONNECT TO THESE OUTLETS.

5.) FLASH & COUNTERFLASH ALL ELECTRICAL ROOF PENETRATIONS FOR WATERTIGHT CONNECTIONS. READ THE SPECIFICATIONS.

6.) NO CONDUIT IS TO RUN ON ROOF DECK. RUN IN AREA BELOW. CONDUIT WHERE ALLOWED ON THE ROOF, BY THE ARCHITECT, SHALL BE SUPPORTED 12" ABOVE ROOF (MINIMUM) ON THE EQUIPMENT OR WITH SECURED 6" REDWOOD BLOCKS 8'-0" O.C. INSTALLED ON ROOF AS DIRECTED BY THE ARCHITECT.

AS BUILT

ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY REVIEWED
APP. 27 79
42564
APPLICATION NO.
By Markham Mas
APPROVED ONLY
FIRE & LIFE SAFETY
APR 24 1979
ACCESS

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ROOF PLAN - MECHANICAL SERVICES

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE · CCCCD · CALIFORNIA
SAN PABLO

W. P. BAKER, #3184
MECHANICAL ENGINEER

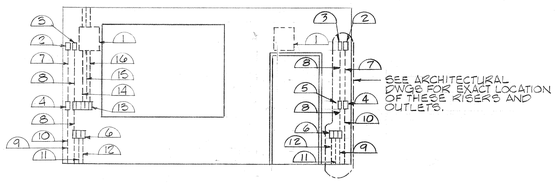
T.C. CRANDALL #8595
ELECTRICAL ENGINEER
WILLIAMSON ENGINEERING, INC.
2678 NO. MAIN ST., #25
WALNUT CREEK, CALIF., 94596
(685-6811)

SHEET
E-10
OF
DATE
8-24-79
JOB No.
770-71A

SCHEDULE - TYPICAL ATTACHMENT TO CONCRETE STRUCTURE

TYPE	MAX. LOAD POUNDS	ANCHOR BOLTS* L.W. CONC.	ANCHOR BOLTS* STONE CONC.	BOLT	ANGLE TO STRUCTURAL SUPPORT MEMBER
I	500	3/8"	3/8"	3/8"	3" x 2" x 1/4" – 3" LONG
II	1000	1/2"	1/2"	3/8"	3 1/2" x 2 1/2" x 5/16" – 3" LONG
III	1500	5/8"	5/8"	1/2"	3 1/2" x 2 1/2" x 7/16" – 4" LONG
IV	2000	3/4"	5/8"	1/2"	5" x 3" x 1/2" – 4" LONG
V	3000	TWO 5/8"	TWO 5/8"	5/8"	WT 4 x 15.5 – 6" LONG
VI	4000	TWO 3/4"	TWO 5/8"	5/8"	WT 4 x 15.5 – 6" LONG

* = CAST INSERTS, BOLTS OR DRILLED ANCHORS, INSTALLATION REQUIRES SPECIAL INSPECTION.

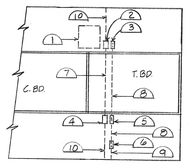


SEE ARCHITECTURAL DWGS FOR EXACT LOCATION OF THESE RISERS AND OUTLETS.

1. PLYWOOD BACKING FOR T.V. MOUNT FURNISHED AND INSTALLED UNDER OTHER SECTION OF THE WORK.
2. 4⅞" SQ. BOX W/ 6 GANG PLASTER RING AND BLANK STAINLESS STL. COVER T.V. SIGNAL AND CONTROL OUTLET.
3. DUPLEX CONVENIENCE RECEPTACLE WITH SWITCH CONTROL.
4. SAME AS (2) T.V. CONTROL OUTLET.
5. SWITCH FOR (3).
6. 5 GANG BOX 2½" DEEP WITH PARTITIONS AND 5 GANG PLASTER RING FOR DUPLEX RECEPTACLE, REMOTE COMPUTER TERMINAL (RCT) AND INTERCOM OUTLETS. PROVIDE DEVICE PLATE WITH RECEPT. OPENINGS AND ONE 1.85" HOLE EACH FOR RCT AND INTERCOM SECTIONS.
7. 1" MTC FOR T.V.
8. ½"C. 2#12.
9. ½"C. 2#12. TO PANEL OR TO OTHER OUTLET AS INDICATED ON PLAN.
10. 1" MTC TO DATA PROCESSING LAB. 276 IN RAISED FLOOR SPACE FOR T.V. CABLE.
11. 1" MTC TO DATA PROCESSING LAB. 276 IN RAISED FLOOR SPACE FOR RCT CABLE.
12. 1" MTC TO DATA PROCESSING LAB. 276 IN RAISED FLOOR SPACE FOR INTERCOM CABLE.
13. 5 GANG BOX 2½" DEEP WITH PARTITIONS AND 5 GANG PLASTER RING FOR ONE T.V. 1P SWITCH, ONE LIGHT SWITCH ONE LIGHTING DIMMER, ONE REMOTE COMPUTER TERMINAL RCT AND ONE INTERCOM OUTLET. PROVIDE APPROPRIATE DEVICE PLATE. PROVIDE 1.85" DIA. FINISHED HOLE FOR RCT AND INTERCOM OUTLETS.
14. ¾"C. SEE LIGHTING PLAN E2.2 FOR NUMBER AND SIZE OF CONDUCTORS.
15. ¾" MTC TO PROJECTOR CONTROL OUTLET IN RM. 2606.
16. ¾" MTC TO TELEPHONE TERMINAL BACKBOARD - 5'-1" IN TEL. 280.

OUTLETS ARRANGEMENT PROJECTOR WALL OF DATA PROCESSING LAB #148, 158, 161.

SCALE: 1/4" = 1'-0"

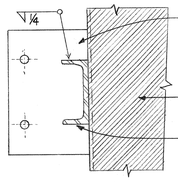


ELEVATION

1. PLYWOOD BACKING FOR T.V. MOUNT FURNISHED AND INSTALLED UNDER OTHER SECTION OF THE WORK.
2. 4⅞" SQ BOX WITH 2 GANG PLASTER RING AND BLANK STAINLESS STEEL COVER FOR T.V. SIGNAL AND CONTROL OUTLET.
3. DUPLEX CONVENIENCE RECEPTACLE WITH SWITCH CONTROL.
4. SAME AS (2) TV CONTROL OUTLET.
5. SWITCH FOR (3).
6. DUPLEX CONVENIENCE RECEPTACLE.
7. 1" MTC FOR T.V.
8. ½"C-2#12.
9. ½"C-2#12. TO PANEL OR OTHER OUTLET AS INDICATED ON PLAN.
10. 1" MTC TO VIDEO OUTLET ABOVE COUNTER AT NORTH WALL FROM ROOMS. VIDEO OUTLET AT T.V. CAMERA.

OUTLETS ARRANGEMENT ON EAST WALL AT SOUTH END OF CLASSROOMS WHERE SHOWN

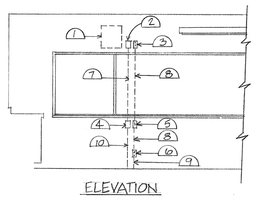
SCALE: 1/4" = 1'-0"



PLAN OF FLOOR CONNECTION

SCALE - 3" = 1'-0"

(TWO REQUIRED PER FLOOR MOUNTED ELECTRICAL ENCLOSURE)

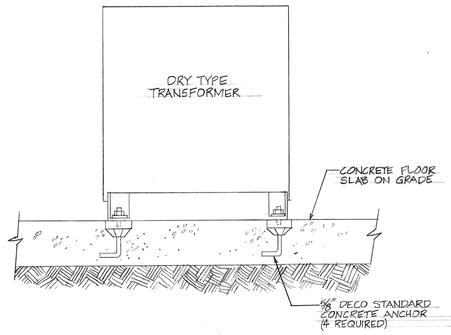


ELEVATION

1. PLYWOOD BACKING FOR T.V. MOUNT FURNISHED AND INSTALLED UNDER OTHER SECTION OF THE WORK.
2. 4⅞" SQ BOX WITH 2 GANG PLASTER RING AND BLANK STAINLESS STEEL COVER FOR T.V. SIGNAL AND CONTROL OUTLET.
3. DUPLEX CONVENIENCE RECEPTACLE WITH SWITCH CONTROL.
4. SAME AS (2) T.V. CONTROL OUTLET.
5. SWITCH FOR (3).
6. DUPLEX CONVENIENCE RECEPTACLE.
7. 1" MTC FOR T.V.
8. ½"C-2#12.
9. ½"C-2#12. TO PANEL OR OTHER OUTLET AS INDICATED ON PLAN.
10. 1" MTC TO VIDEO OUTLET AT NORTH WALL OF ROOM 241.

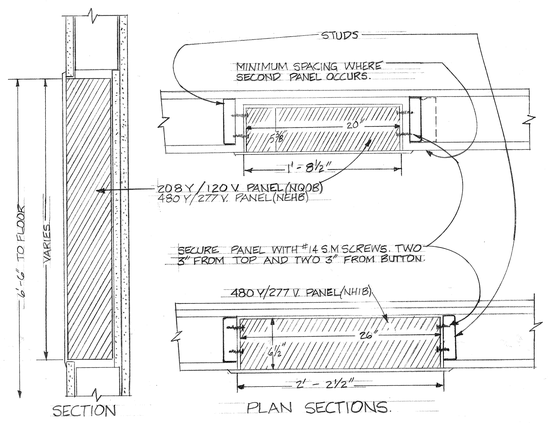
OUTLETS ARRANGEMENT ON WALL OF CRIMINOLOGY LAB RM. WHERE SHOWN

SCALE: 1/4" = 1'-0"



TRANSFORMER ANCHORAGE TO CONCRETE FLOOR ON GRADE

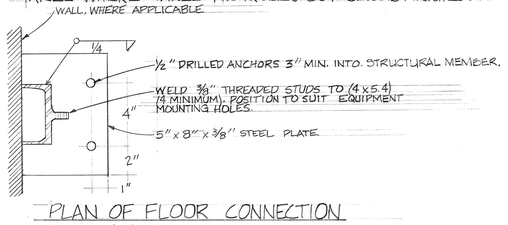
N.T.S.



FLUSH PANELBOARD SUPPORT

SCALE - 1½" = 1' - 0"

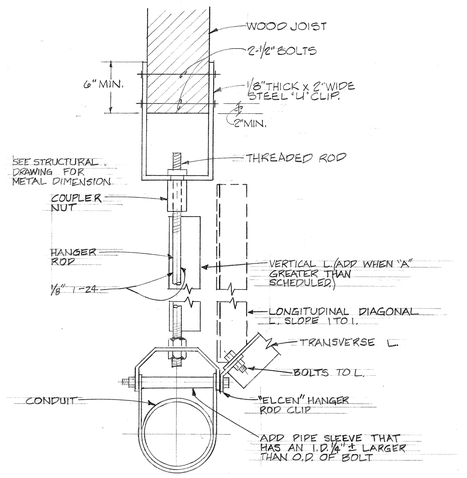
PROVIDE FILLER & BEVELED WOOD SECTION AROUND PANEL WHERE PANEL PROTRUDES OUT BEYOND FINISHED WALL WALL, WHERE APPLICABLE.



PLAN OF FLOOR CONNECTION

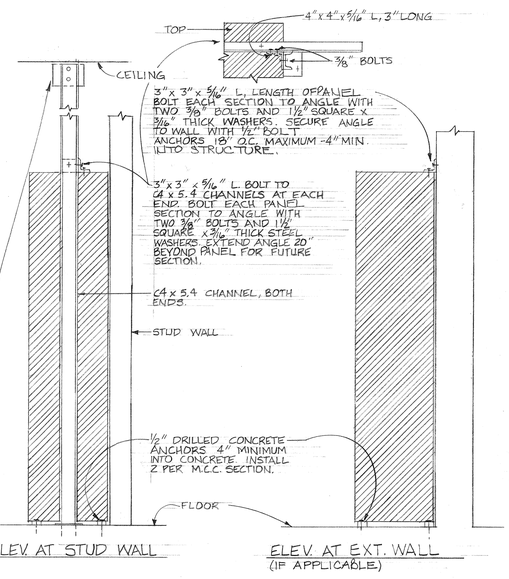
SCALE - 3" = 1'-0"

(TWO REQUIRED PER SURFACE MOUNTED ELECTRICAL ENCLOSURE.)



TYPICAL CONDUIT BRACING

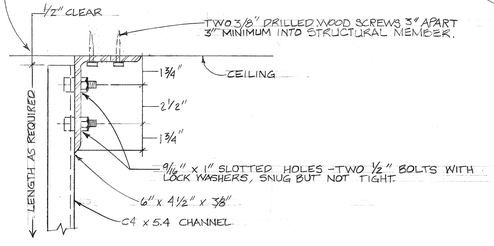
SCALE - 3" = 1'-0"



FLOOR MTD. ELECT. ENCLOSURE SUPPORT

SCALE = 3" = 1'-0"

PROVIDE NECESSARY STRUCTURAL FRAMING & BRACING COORDINATE WITH STRUCTURAL.



CEILING CONNECTION

SCALE -3" = 1'-0"

(TWO REQUIRED PER SURFACE OR FLOOR MOUNTED ELECTRICAL ENCLOSURE)

"A" MAX. FULL THREAD ROD
"A" MAX. LENGTH OF SOLID ROD

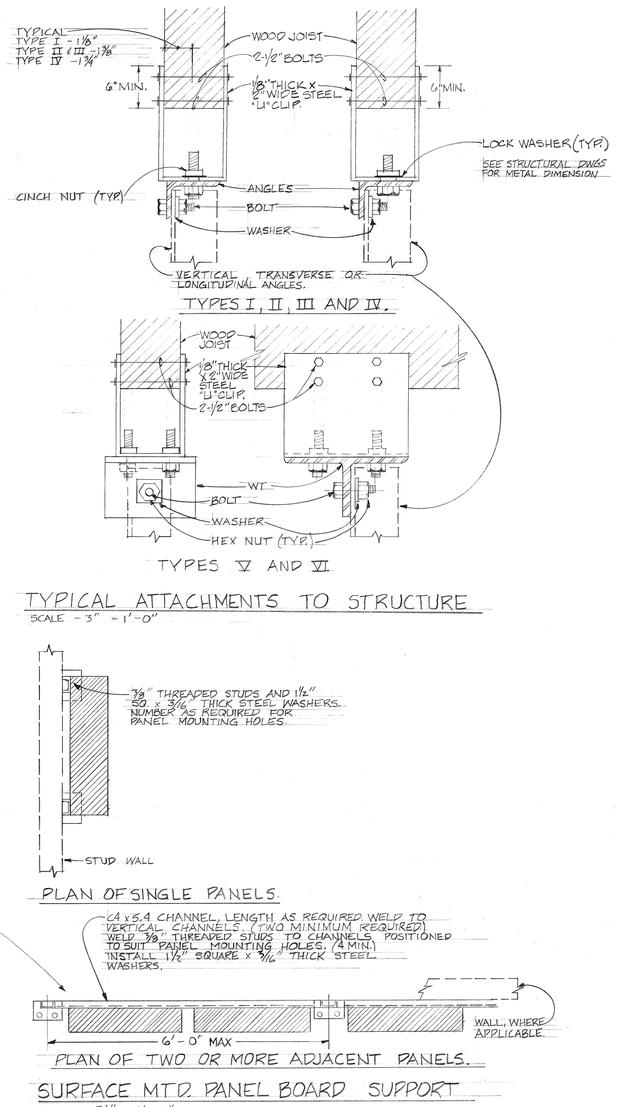
SCHEDULE - CONDUIT BRACING

CONDUIT	BOLT TO L.	ANGLES VERTICAL	ANGLES TRANSVERSE	ANGLES LONGITUDINAL	TYPE CONN.	HANGER ROD	A	A
2 1/2"	2 3/8"	2"x2"x16 GA	2"x2"x16 GA	2 1/2"x2 1/2"x16 GA	II	1/2"	25"	20"
3"							31"	25"
3 1/2"						5/8"	31"	25"
4"		2 1/2"x2 1/2"x16 GA	2 1/2"x2 1/2"x16 GA		IV	5/8"	37"	31"
5"	2 1/2"	2½"x2 1/2"x12 GA	2 1/2"x2 1/2"x12 GA	2 1/2"x2 1/2"x12 GA	V	3/4"	43"	34"

NOTES

(2) BRACE ALL CONDUITS AS FOLLOWS,
TRANSVERSE - 40'-0" O.C. MAXIMUM
LONGITUDINAL - 80'-0" O.C. MAXIMUM

(3) BRACE ALL CONDUIT 1 ¼" THROUGH 3" IN ELECTRICAL AND MECHANICAL ROOM THE SAME AS 2 ½" CONDUIT IN SCHEDULE.



TYPICAL ATTACHMENTS TO STRUCTURE

SCALE - 3" = 1'-0"

PLAN OF SINGLE PANELS.

PLAN OF TWO OR MORE ADJACENT PANELS.

SURFACE MTD. PANEL BOARD SUPPORT

SCALE - ¾" = 1'-0"

INSTALLATION OF SIGNAL CABINETS, ETC. SIMILAR.

AS BUILT

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E. A. COMETTA · J. S. NANCE, ARCHITECT · J. E. CROSSEN, ARCHITECT
P. D. CIANFICHI, ARCHITECT · ASSOCIATED ARCHITECTURAL FIRMS · P. W. CONFER

ARCHITECT · STRUCT. ENGINEER · CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
MAR 27 '79
43854
By G.A. Markham Mgr.

DETAILS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CCCCD
CALIFORNIA

SHEET: E-11
OF
DATE 8-24-79
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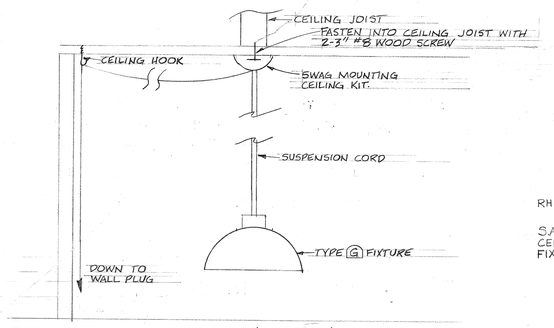
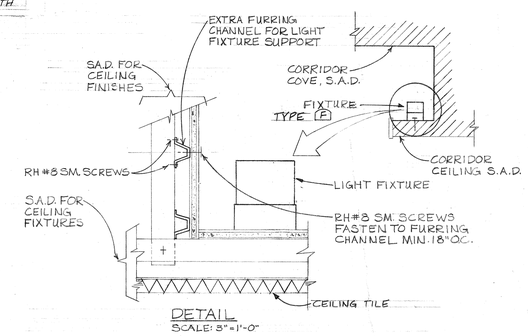
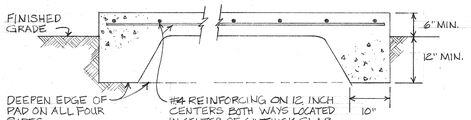


SWAG FIXTURE (TYPE (G)) MOUNTING
N.T.S.



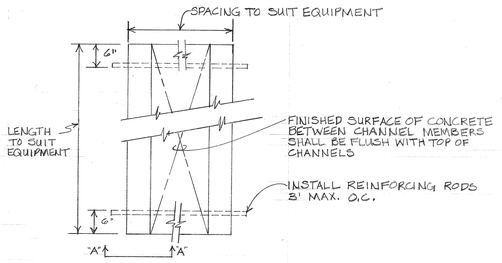
DETAIL
SCALE: 3" = 1'-0"

TYPICAL SECTION AT LTG. COVE S.A.D. DET. E 6.17
SCALE: 3/4" = 1'-0"

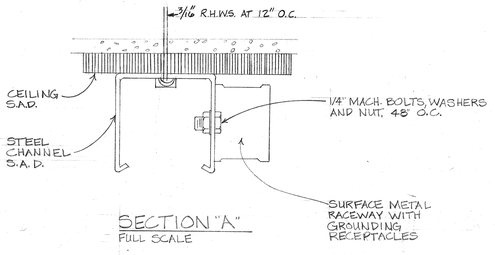


NOTE: WHERE EQUIPMENT PAD IS LOCATED IN A PAVED AREA, THE SURFACE OF THE EQUIPMENT PAD SHALL BE ONE INCH ABOVE ADJACENT PAVING AND ADJACENT PAVING SHALL GRADE AWAY FROM EQUIPMENT PAD. CONCRETE SHALL BE DESIGNED TO ATTAIN A MINIMUM STRENGTH OF 2500 PSI. IN 28 DAYS.

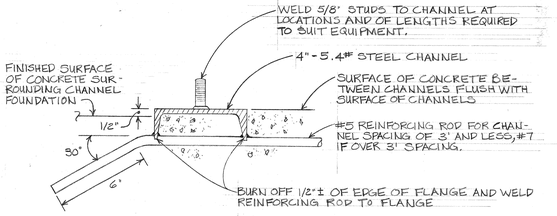
ELECTRICAL EQUIPMENT PAD
SCALE: 3/4" = 1'-0"



PLAN
SCALE: 3/4" = 1'-0"

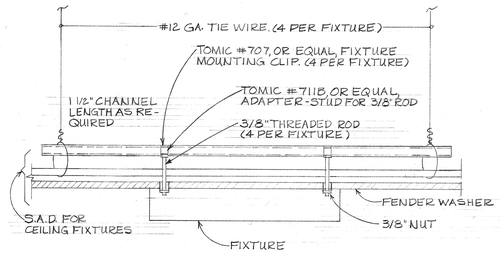


SECTION "A"
FULL SCALE

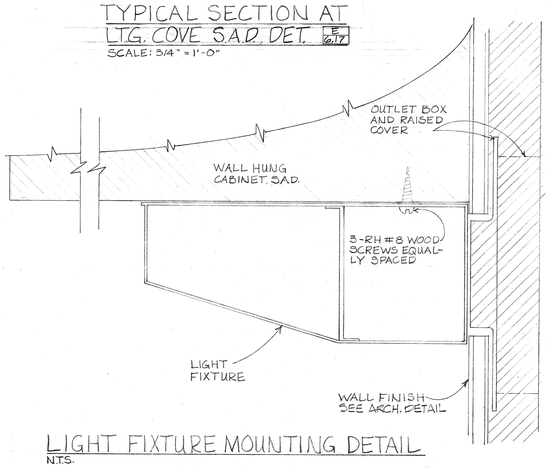


SECTION A-A
SCALE: 3"=1'-0"

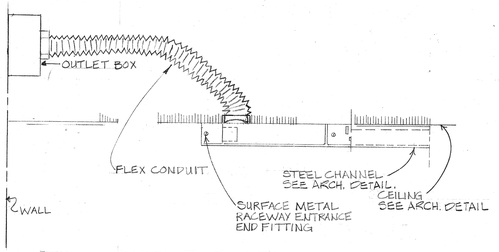
TYPICAL ELECTRICAL EQUIPMENT FOUNDATION
SCALE: AS NOTED



SURFACE MOUNTED FIXTURE ON SUSPENDED REDWOOD PLYWOOD CEILING
N.T.S.

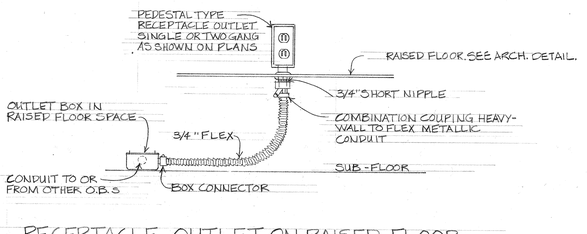


LIGHT FIXTURE MOUNTING DETAIL
N.T.S.

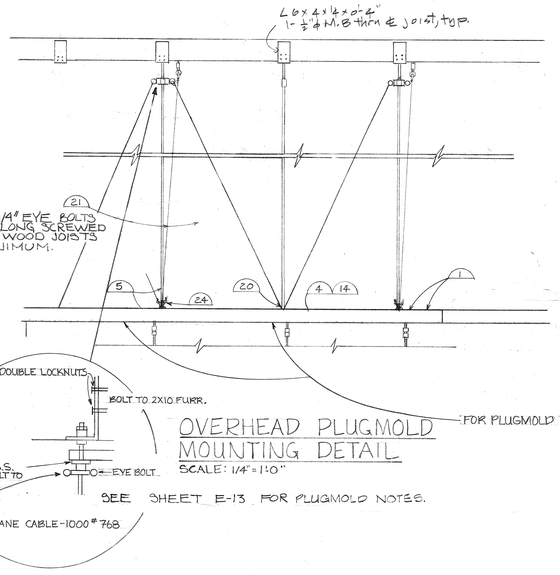


SIDE ELEVATION
SCALE: 3" = 1'-0"

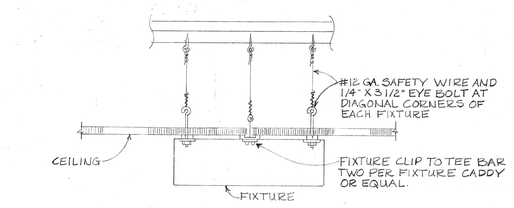
ELECTRICAL FEED-IN OF SURFACE METAL RACEWAYS
N.T.S.



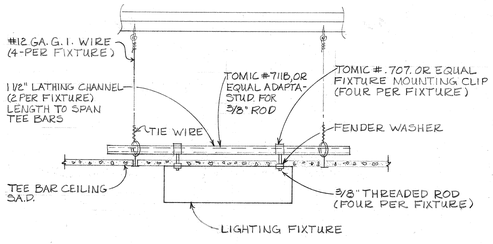
RECEPTACLE OUTLET ON RAISED FLOOR
SCALE: 3" = 1'-0"



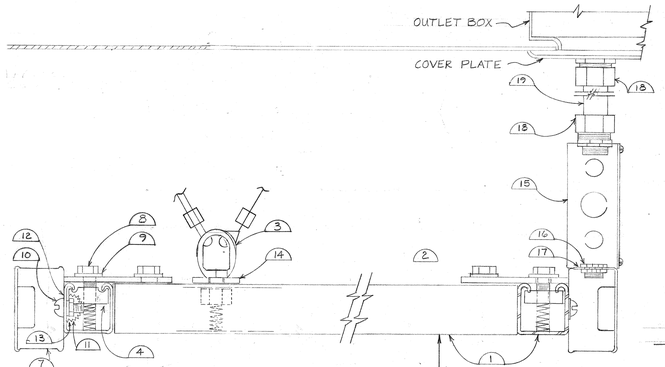
OVERHEAD PLUGMOLD MOUNTING DETAIL
SCALE: 1/4" = 1'-0"
SEE SHEET E-13 FOR PLUGMOLD NOTES.



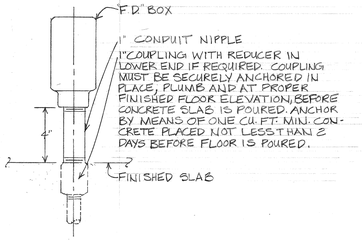
SURFACE MOUNTED FIXTURE CENTERED ON TEE BAR OF SUSPENDED CEILING
N.T.S.



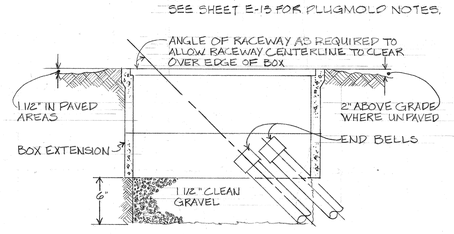
SURFACE MOUNTED FIXTURE AT SUSPENDED TEE BAR CEILING
N.T.S.



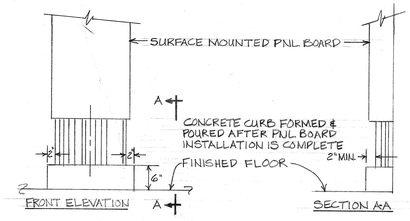
OVERHEAD PLUGMOLD MOUNTING DETAIL
SCALE: 1/4" = 1'-0"
SEE SHEET E-13 FOR PLUGMOLD NOTES.



OUTLET ABOVE SLAB
SCALE: 3"=1'-0"



TYPICAL CONCRETE BOX DETAIL
N.T.S.



CONCRETE CURB AT SURFACE MOUNTED PNL BOARDS
SCALE: 3/4" = 1'-0"

AS BUILT

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935-6814

ARCHITECT
STRUCT. ENGINEER
CONSULT. ENGINEER

APPROVED BY THE OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SYSTEMS
APPLICATION NO. 48256
DATE 2-27-79
By J.A. Matthews PMAS
JAMES ANTHONY MATTHEWS

BY DATE
1 4-2-79
2 4-24-79
3 5-24-79
4 6-14-79
5 7-19-79
6 8-24-79

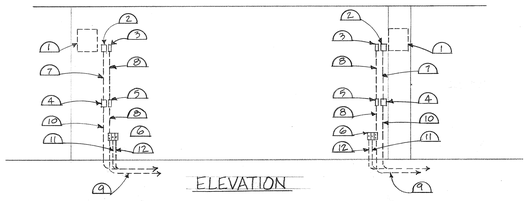
COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
E. A. COMETTA . P. D. CIANFICHI, ARCHITECT
CONFER, CROSSEN & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
J. E. CROSSEN, ARCHITECT . J. S. NANCE, ARCHITECT
ASSOCIATED ARCHITECTURAL FIRMS P. W. CONFER

DETAILS
APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE SAN PABLO
CCCCD CALIFORNIA

SHEET: E-12
OF
DATE 8-24-79
JOB No. 770-71A

PLUGMOLD NOTES - SEE SHEET E-12

1. UNISTRUT #P1000, OR EQUAL, 1⅝" x 1⅝" STEEL CHANNEL.
2. UNISTRUT #P1036, OR EQUAL, 3½" x 3½" FLAT "L" PLATE FITTING.
4. UNISTRUT #A1008, OR EQUAL, ⅜" NUT WITH SPRING.
7. PLUGMOLD #3000, OR EQUAL, SURFACE METAL RACEWAY WITH DUPLEX RECEPTACLES. SEE APPLIANCE LAB LAYOUT
8. UNISTRUT #H37HHCS1DDEG, OR EQUAL, ⅜" x 1" HEX HEAD CAP SCREW.
9. UNISTRUT #H37FLWREG, OR EQUAL, ⅜" FLAT ROUND WASHER.
10. UNISTRUT #H25RHMS075EG, OR EQUAL, ¼" x ¾" ROUND HEAD MACHINE SCREW.
11. UNISTRUT #H25HXNTEG, OR EQUAL, ¼" HEXAGON NUT.
12. UNISTRUT #H25FLWREG, OR EQUAL, ¼" FLAT ROUND WASHER.
13. UNISTRUT #H25LKWREG, OR EQUAL, ¼" LOCK WASHER.
16. ½" CLOSE NIPPLE WITH INTEGRAL INSULATED THROAT AND LOCK NUT.
17. ½" SPACER NUT.
20. UNISTRUT #H37HXNTEG, OR EQUAL, HEXAGON NUT WITH #H37LKWREG, OR EQUAL LOCK WASHER EACH SIDE OF STEEL CHANNEL.
21. ⅜2" O. GALVANIZED STEEL 920# T.S. AIRCRAFT CABLE, THREE 120° APART AT EACH
22. FLEX. CONDUIT CONNECTION FROM CEILING OUTLET BOX TO PLUGMOLD

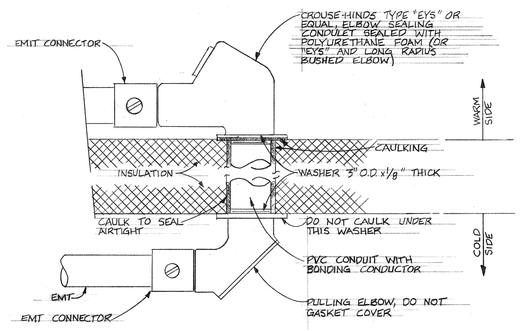


ELEVATION

1. PLYWOOD BACKING FOR T.V. MOUNT FURNISHED AND INSTALLED UNDER OTHER SECTION OF THE WORK
2. 4⅞"/8 SQ. BOX W/2 GANG PLASTER RING AND BLANK STAINLESS STL. COVER T.V. SIGNAL AND CONTROL OUTLET
3. DUPLEX CONVENIENCE RECEPTACLE WITH SWITCH CONTROL
4. SAME AS (2) T.V. CONTROL OUTLET
5. SWITCH FOR (3)
6. 3 GANG BOX 2½" DEEP WITH PARTITIONS AND 3 GANG PLASTER RING FOR DUPLEX RECEPTACLE REMOTE COMPUTER TERMINAL (RCT) AND INTERCOM OUTLETS PROVIDE DEVICE PLATE WITH RECEPT. OPENINGS AND ONE 3/32" HOLE EACH FOR RCT AND INTECOM SECTIONS.
7. 1" MTC. FOR T.V.
8. ½"C. 2#12.
9. ½" C. 2#12. TO PANEL OR TO OTHER OUTLET AS INDICATED ON PLAN.
10. 1" MTC. TO DATA PROCESSING LAB. 276 IN RAISED FLOOR SPACE FOR T.V. CABLE.
11. 1" MTC. TO DATA PROCESSING LAB 276 IN RAISED FLOOR SPACE FOR RCT CABLE
12. 1" MTC TO DATA PROCESSING LAB 276 IN RAISED FLOOR SPACE FOR INTERCOM CABLE.

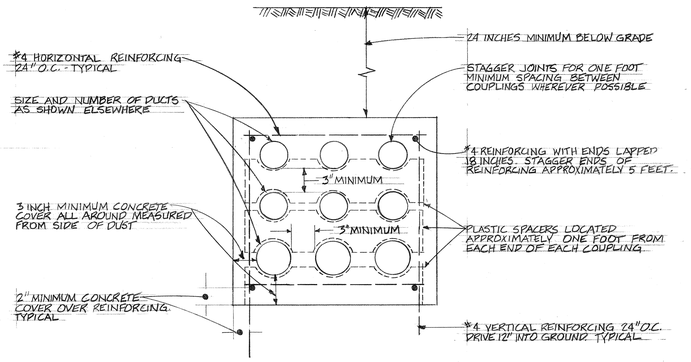
OUTLETS ARRANGEMENT ON WEST WALL OF DATA PROCESSING RM #158

SCALE: ¼" = 1'-0"



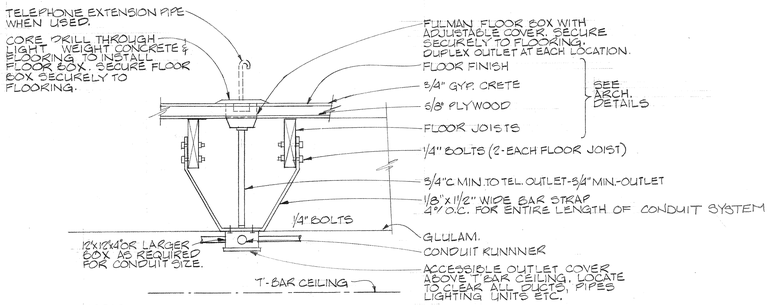
TYPICAL DETAIL THRU COLD BOX WALL OR CEILING

N.T.S.



TYPICAL SECTION THROUGH CONCRETE ENCASED DUCT BANK

SCALE: 1½" = 1'-0"



NOTES:

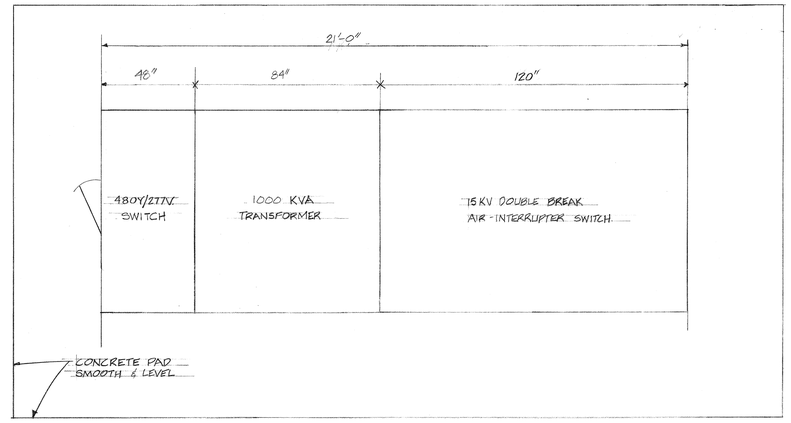
OUTLETS TO BE PROVIDED WITH DUPLEX RECEPTACLES (120V) AND REMOVABLE CAP FOR RECEPTACLE ACCESS. EACH OUTLET TO BE PROVIDED WITH A SPARE SCREW IN CAP FOR RECEPTACLE CORD.

OUTLETS FOR TELEPHONES TO BE PROVIDED WITH REMOVABLE CAP EACH OUTLET TO BE PROVIDED WITH SCREW IN CAP TO ACCOMODATE TELEPHONE EXTENSION PIPE FOR TELEPHONE INSTALLATION. PROVIDE ONE (1) EXTENSION PIPE FOR EACH TELEPHONE FLOOR OUTLET.

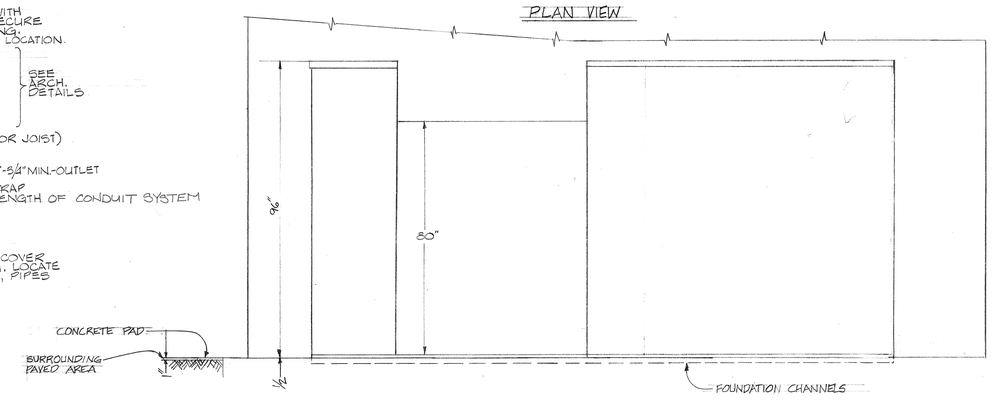
VERIFY STRUCTURAL DWG'S FOR EXACT FLOORING CONDITIONS.

2ND FLOOR - FLOOR RECEPTACLES & TEL. OUTLETS

N.T.S.



PLAN VIEW

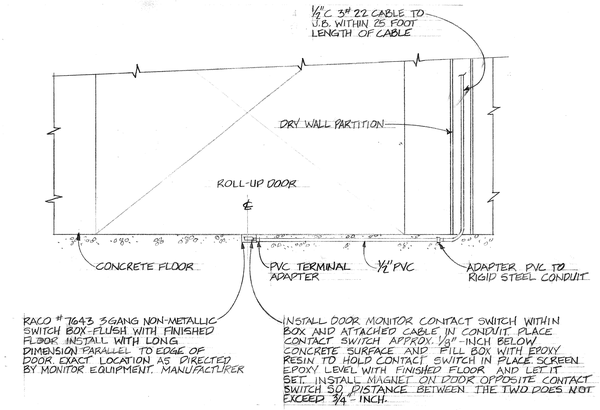


FRONT ELEVATION

OUTDOOR INTEGRAL DISTRIBUTION CENTER

N.T.S.

NOTE: DIMENSIONS GIVEN ARE AS ACCURATE AS COULD BE DETERMINED AT TIME OF DESIGN. CONTRACTOR SHALL VERIFY EXACT DIMENSIONS OF EQUIPMENT PRIOR TO PURCHASE AND SUBMIT DETAILS TO ARCHITECT PRIOR TO INSTALLATION OF PAD.



ROLL-UP DOOR MONITOR CONTACT INSTALLATION

SCALE: ½" = 1'-0"

AS BUILT

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ARCHITECT

STRUCT. ENGINEER

CONSULT. ENGINEER

OFFICES OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
DATE 27 79
By [signature]

APPLICATION NUMBER
43856

COMETTA AND CIANFICHI
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CONFER, CROSS & NANCE
1200 CONTRA COSTA BLVD. CONCORD, CALIF. 686-2292
E. A. COMETTA, ARCHITECT
P. D. CIANFICHI, ARCHITECT
J. E. CROSSEN, ARCHITECT
J. S. NANCE, ARCHITECT
P. W. CONFER
ASSOCIATED ARCHITECTURAL FIRMS

DETAILS

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE
SAN PABLO
CONTRA COSTA COUNTY
CALIFORNIA

SHEET
E-13
OF

DATE
8-24-79

JOB No.
770-71A

ELECTRICAL SYMBOL LIST
(Disregard symbols which do not appear on Drawings)

- Ceiling lighting fixture - (controlled by switch "a"; connected to panel "A" circuit 2; E+ on emergency circuit - Typical for all lighting fixture symbols)
- Wall bracket lighting fixture — Fluorescent lighting fixture
- Single pole switch ("a" identifies outlets controlled; +54" UON - Typical for all switch sysmobls)
- Three - Way switch; (4 = four-way; 2 = two pole; K= key type; P = pilot light; MC = Momentary contact; L= low voltage; OL = Man. motor starter w/overload protect.)
- Duplex convenience receptacle; +18" UON — Clock Receptacle
- Receptacle in gang outlet with switch — Floor outlet, service as noted
- Special purpose outlet, type and service as noted
- Motor - Includes disconnect switch where required
- Motor starter - Magnetic - includes disconnect switch where required
- Motor disconnect switch - externally operated
- Junction Box — Telephone outlet — Thermostat + 66"
- Electric Panelboard - Flush mounted — Electric panelboard - surface mounted
- Power panelboard or main switchboard — Terminal cabinet - flush mounted
- #14 Conduit concealed in walls or ceilings - crossbars indicate number of conductors or cables, conductor size and cable type disignated by #14, IC, PA, TV, etc., No designation indicates 1/2" C - 2 #12 UON. Conduit size per national electrical code UON
- PA TV Conduit concealed in floor or below grade - conductor and cable notation same as for Conduit concealed in wall or ceiling. Symbol shown indicates 3 PA and 1 TV
- IC Concduit concealed - conductor and cable notation same as for conduit concealed in wall or ceiling. Symbol shown indicates 3 IC
- (A) Lighting fixture type letter. Type letter applies to all fixtures in room UON
- (1) Equipment item number 1 - (see list or schedule) — (2) See note NO. 2 ON SPECIFICATION OR ON DRAWINGS NOTED
- Circuit — WP = Weatherproof
- MTC = Empty conduit — UON = Unless otherwise noted — NMR = Non-metallic raceway
- +36" = 36" above finished floor to outlet conterline — SAD = see architectural drwgs.
- Fire Alarm equipment as noted — 6 +6 FA remote relay — 7 +7 FA Bell WP (Red)
- 1 FA Master Panel — 2 +2 FA manual station — 3 +3 FA annunciator
- 4 FA single projector horn — 5 +5 FA double projector horn
- TV Television signal and control outlet wall mounted
- TVC Television control outlet wall mounted
- CT Duplex convenience receptacle flush mounted in counter top.
- C Duplex convenience receptacle flush mounted in ceiling
- Flush type floor duplex receptacle
- Four duplex convenience receptacles in two gang floor box.
- Two Duplex convenience receptacles in single gang floor box.
- Underground duct (Power and telephone) two duct system with service fittings as shown on plans. (CONDUIT DUCT SYSTEM ON 2ND FLOOR)
- Underground duct (Power) single duct system with service fittings as shown on plans. (CONDUIT DUCT SYSTEM ON 2ND FLOOR.)
- Wiremold series G-2100, equivalent walker, or equal, surface metal raceway with #2127 GA receptacles spaced as shown on plan. Connect receptacles to circuits indicated mount above counter backsplash UON
- V Video transmission outlet
- M Microphone outlet
- S Speaker outlet
- A Antenna outlet service as noted
- J Telephone jack
- M Door monitor alarm contacts magnetic type
- H Door monitor alarm contacts hinge type
- Wiremold series 3000, equivalent walker, or equal, surface metal raceway with a number or duplex convenience receptacles as indicated & series 3046B receptacle covers.
- (1) Kitchen equipment item number 1 - (See list or schedule). OR AS NOTED - SEE SPEC'S.
- Flexible conduit connection to equipment noted. (See kitchen plan)
- AR 5 Instructional equipment symbol number (See list or schedule) Ar = Appliance repair; 5 = item No. 5
- B WP 6" Bell
- Pushbutton station
- Intercom or signal outlet FOR SPECIAL ITEM. SEE EQUIPMENT LISTS. SPECS
- EWC Electric Water cooler — EP = Explosion Proof
- Single receptacle FOR SPECIAL ITEM. SEE EQUIPMENT LIST. SPECS
- Fluorescent lighting fixture with one lamp connected to emergency circuit.
- Exit sign wall mounted — VERIFY EXACT TYPE WITH ARCHITECTURAL -
- Exit sign ceiling mounted — PRIOR TO PURCHASE & INSTALLATION.
- —E— Indicates emergency lighting conduit and conductors.
- 8 Combination door closer and holder W/smoke detector (Furnished and install under other section) WIRING & CONNECTIONS AREA PART OF THIS SECTION
- P Receptacle with warning light for electric iron service.
- Photoelectric control unit.
- 9 Smoke detector elevator lobbies.
- 10 Sprinkler flow switch (furnished and installed under other section) OR AS NOTED INSTALL & WIRE THIS SECTION
- 11 Sprinkler alarm gong (furnished under other section, install & wire under electrical section)
- Flush telephone floor outlet with walker #1204 & 1200C service fitting.

NOTE:

Do not locate switch plates behind chalk boards.

S.A.D. SEE ARCHITECTURAL DRAWINGS.

NOTE:
~~FOR~~ VARIATIONS IN SYMBOL LIST SEE INSTRUCTIONAL EQUIPMENT SCHEDULE & SPECS & NOTES FOR INSTRUCTIONAL EQUIP. SCHEDULE.

GENERAL NOTES

1. Contractor shall include in his bid costs for painting all exposed piping & equipment that is exposed on walls in any area (ie. Boiler room). Painting shall match the surrounding Architectural surfaces and shall consist of one coat of primer and one coat of finished enamel.
2. Contractor shall refer to appropriate Mechanical drawings for information regarding Electrical control equipment and electrical controls that he shall furnish and supply for the air handling equipment and/or other mechanical equipment so designated. Read the Mechanical Specification.
3. Under no circumstances shall any control voltage exceed 120V in any part of the installation.
4. Dry type transformers mounted on floors or walls shall be mounted on an isolating base to prevent vibration and noise transmission to other rooms.
5. All pullboxes shall be in accordance with requirements of the National Electrical Code; however when information on drawings exceeds these requirements the drawings shall take preference. All pullboxes shall have removable covers with holding screw at center not to exceeding 8" around perimeter of cover. Pullboxes shall be welded to the building steel. No drilling of building steel is to be allowed without permission of the Owners Representative.
6. All receptacles shall be self grounding type to conform to the Occupational Safety and Health Act. ground blade slot up in all cases, unless other wise noted.
7. All equipment fixtures, etc., are to bear the Underwriters Laboratories label where available, in accordance with the California State Code.
8. Provide all Fluorescent fixtures with fused protection built into each fixture.
9. Electrical design is based on specific equipment. Equipment approved for substitution that is actually installed and requires alterations or additions to the designated system shall be paid for by the contractor at no additional cost to the Owner.
10. All work shall conform to the National Electrical Code, latest revision Local applicable codes and all requirements of the Occupational Safety and Health Act.
11. All panel boards, distribution panels, main panels, terminal cabinets and other major equipment shall be provided with engraved phenolic nameplates secured with screws. Read Specifications.
12. All wiring type shall be <u>Copper</u> no aluminum shall be allowed.
13. Mounting heights indicated +48" are to center line of equipment or divice above finished floor lines unless noted otherwise. Verify all wall outlet locations with Architectural and Structural drawings and Specification.
14. All backboards for surface mounted electrical equipment shall be furnished and installed under this section of the work. Backboard shall be 3/4" weatherproof plywood size as required. Paint two coats flat black and secure to building members with angle iron. Frame work as required. See specification.
15. All conduits into and out of explosion proof areas or beneath slab must have seal off fittings. All seal offs not to be poured without prior notification to Owners representative.
16. Refer to Mechanical drawings for exact location of mechanical equipment prior to rough in for mechanical consult mechanical contractor and verify horsepower, voltage and phase of equipment acturally furnished. See Electrical and Mechanical specifications.
17. Refer to mechanical drawings and specifications for control and wiring of mechanical equipment installation shall be in accordance with mechanical drawings and specifications.
18. All electrical equipment shown on these drawings shall be coordinated for location with the Architectural, structural and/or mechanical drawings. Contractor shall be held responsible for this coordination in the event of conflict the contractor shall be held responsible for all costs necessary to relocate and/or reconnect his equipment to best suit the job installation.
19. The Contractor shall furnish to the Owner a set of ozalid transparency as-built drawings with all deviations properly drawn and noted. These as-built drawings shall represent the as-built conditions upon completion of job.
20. Wiring devices, switches which control remote functions(roof fan,etc.) shall have engraved device plates.
21. Contractors attention is called to requirements for all electrical equipment to be grounded to a common ground for adequate equipment ground. Bond and ground around all pullboxes, panelboards and/or other equipment for a continuous equipment ground part. Refer to Section 250 of the National Electrical Code ; RE: grounding a green equipment ground shall be pulled in all motor circuits being used for mechanical equipment. See Specifications.
22. Fire Alarm system, installation of the fire alarm smoke detectors heat systems, etc., must not be started until the drawings including diagrams, list of equipment, Fire Marshals listing of all Fire Alarm componets are submitted to and approved by the State Fire Marshal. (O.S.A.)
23. Upon completion of the installation of the Fire Protective signalling equipment, a satisfactory test of the entire system shall be made in the presence of the local enforcing agency Section E-740-16, Title 24 (C.A.C.)
24. Circuits not shown numbered shall be run to panel designated and be hooked up to circuits on panel.
25. Provide a sign "Fire Alarm Inside" approximately 2"x4" of stainless steel at all exterior doors of all rooms containing fire alarm pull stations letters to be permanently embossed and painted red. Attach with tamper proof screws or as directed by the Architect.
26. Installation of the Fire Protective signaling system shall not be started until detailed plans and specifications including State Fire Marshal listing number for each componet of the system have been approved by the State Fire Marshal, O.S.A.
27. The connection of the Protective Signaling system power supply circuit shall be connected ahead of the main service switch and fuse of the secondary service (section E-740-38 (C) Title 24, part 3, C.A.C.)
28. All conduit bends up to cabinets, panels, equipment etc., rigid galvanized steel from under ground P.V.C. (where allowed) schedule 40. Paint all rigid conduit with two coats of Bitumastic compound after installation.
29. Installation and all components of the fire alarm system shall conform to all requirements of article E-740, Part 3 Title 24 of the California Administrative Code.

LIGHTING FIXTURE NOTES

1. All incandescent lamps shall be inside frosted standard 130 volt unless otherwise noted.
2. All recessed fixtures shall be installed with appropriate frames and wired in accordance with local codes, rules and regulations.
3. Surface fluorscent fixtures installed on low density ceiling tile shall be approved for such use or mounted on 1 1/2" spacers.
4. All fluorescent fixtures installed in areas where water or steam is available will have ballasts rated outdoor in accordance with the N.E.C.
5. SEE SPECIFICATIONS FOR FOR FIXTURE SCHEDULE.

PANELBOARD NOTES

1. All panelboards shall be equipped with positive off lockout pad locking devices for circuits feeding fluorescent lighting fixtures.
2. Panelboard shall be installed with top cabinet + 6'-6" above finished floor.
3. Furnish ten (10) locking devices per panel and install on circuit breaker handles as directed by Owner.
4. Refer to the specifications for additional panelboard requirements.
5. SEE SPECIFICATIONS FOR PANELBOARD SCHEDULES NOT SHOWN ON DRAWINGS.

AS BUILT

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ARCHITECT — STRUCT. ENGINEER — CONSULT. ENGINEER

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
APPLICATION NO. 42256 — AUG 27 '79

APPROVED FIRE AND PANIC ONLY
AUG 24 1979
STATE FIRE MARSHAL NORTHERN REGION

COMETTA AND CIANFICHI
3516 MACDONALD AVENUE RICHMOND, CALIF. 232-2637
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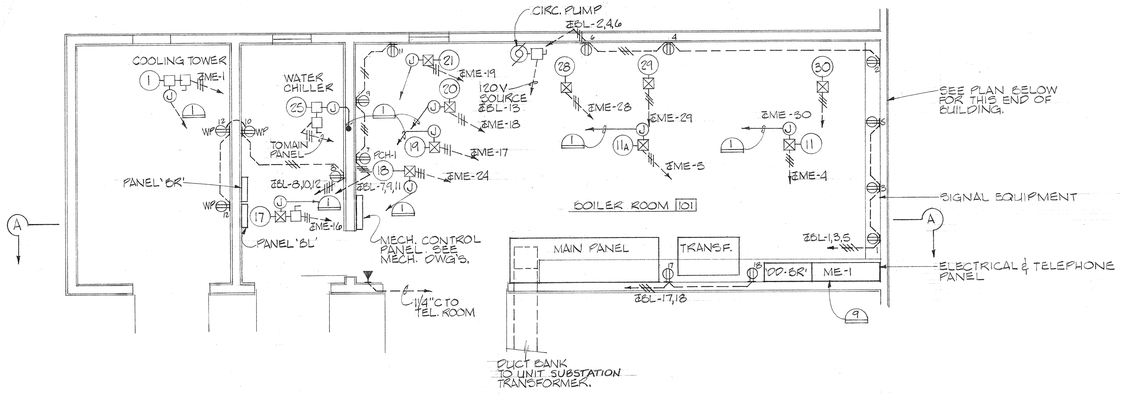
P. D. CIANFICHI, ARCHITECT — ASSOCIATED ARCHITECTURAL FIRMS — P. W. CONFER

SYMBOLS - NOTES - LEGEND

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGE — CCCCD
SAN PABLO — CALIFORNIA

SHEET E-14
OF
DATE 8-24-79
JOB No. 770-71A

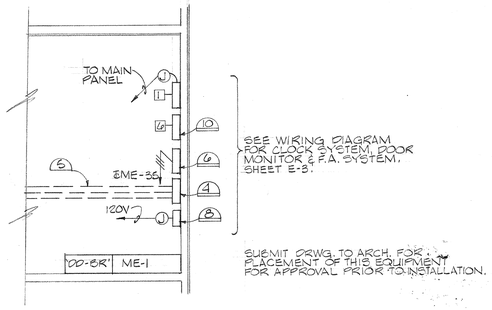


BOILER ROOM PLAN - ELECTRICAL

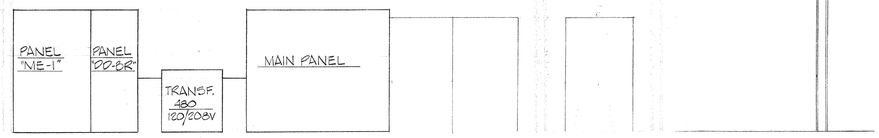
SCALE: 1/4"=1'-0"

NOTE:
SPACE IS AT A PREMIUM IN THIS ROOM. COORDINATION OF ALL EQUIPMENT SHALL BE ASCERTAINED PRIOR TO ITS PLACEMENT. OBTAIN APPROVAL OF LAYOUT FROM ARCHITECT BEFORE PROCEEDING.

NOTE:
MAINTAIN CLEARANCE'S IN FRONT OF ALL PANELS AS REQUIRED BY N.E.C.



PLAN OF EAST END OF BOILER ROOM
N.T.S.



SECTION THROUGH BOILER ROOM 'A-A'

SCALE: 1/8"=1'-0"

NOTES - THIS SHEET

1. RUN 1/2" CONTROL CONDUIT TO MECHANICAL CONTROL PANEL. SEE MECHANICAL CONTROL WIRING AS REQUIRED.
4. 30"x30"x8" SIGNAL PULL BOX. INSTALL 72" ABOVE FINISHED FLOOR TO TOP OF BOX. INSTALL CONCRETE CURB FOR CONDUITS THRU FLOOR.
5. SIGNAL SYSTEM DUCTS FROM SIGNAL HANDHOLE.
6. CLOCK SYSTEM #619-4C COUPLER UNIT.
8. POWER SUPPLY FOR DOOR MOTOR MONITOR SYSTEM WITH 1/2"C - 2#12 TO PANEL.
9. SEE SPECS. FOR PANEL 'ME' & DRAWING E-10 FOR DESCRIPTION OF CONDUIT & WIRE SIZE.
10. F.A. SYSTEM EQUIPMENT.

AS BUILT

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By Yg. Markarian/MAS

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BOILER ROOM LAYOUT

APPLIED ARTS & ADMINISTRATION COMPLEX
CONTRA COSTA COLLEGES SCCCD
SAN PABLO CALIFORNIA

SHEET E-15
OF
DATE 8-24-79
JOB No. 770-71A